2025-1-RO01-KA121-VET-000319082

4IT Erasmus+Project, 2025-1-RO01-KA121-VET-000319082

Beneficiary: "Gheorghe Vranceanu" National College, Bacau

Sending organization: "Roman Voda" National College, Roman

MOBILITY PORTFOLIO

Paphos,Cyprus

Mobility period 28.10.2025- 10.11.2025

Practice period: 29.10.2025-08.11.2025

RECEIVING COMPANY: LAZAROU ICT PROFESSIONALS

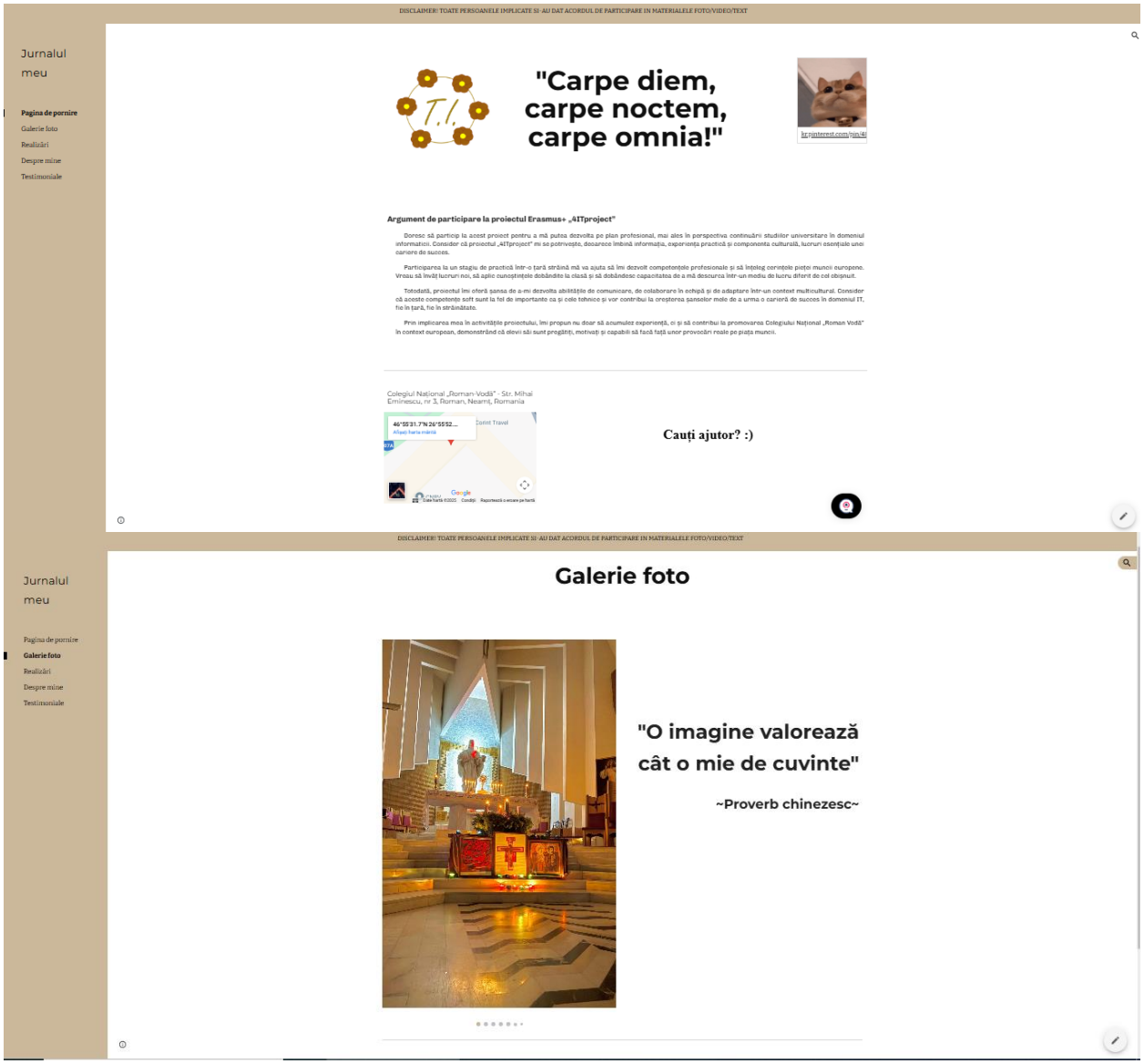
Practice tutor: Lazaros Lazarou

Participant: Tancau Iulia-Oana

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My selection site

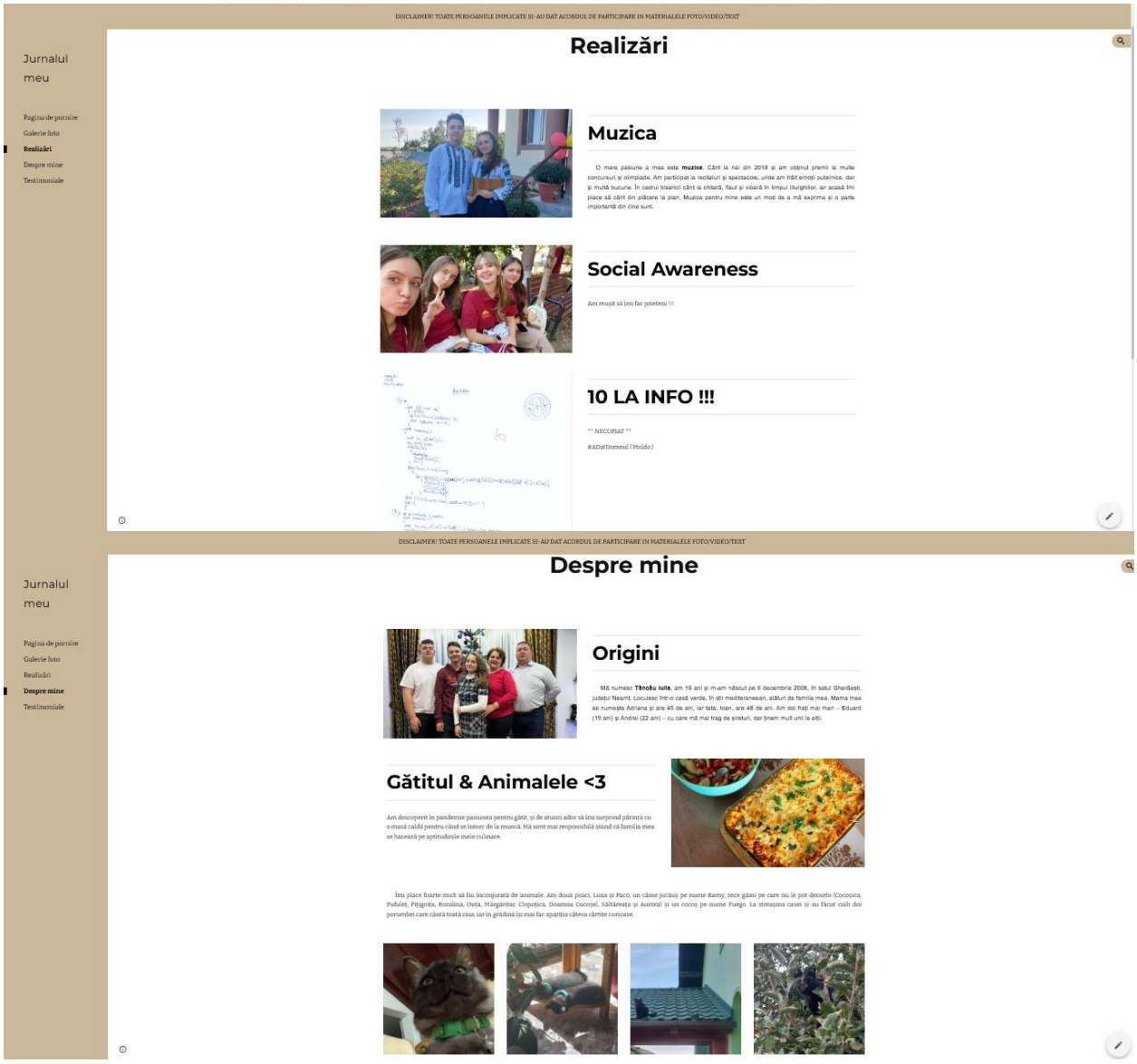


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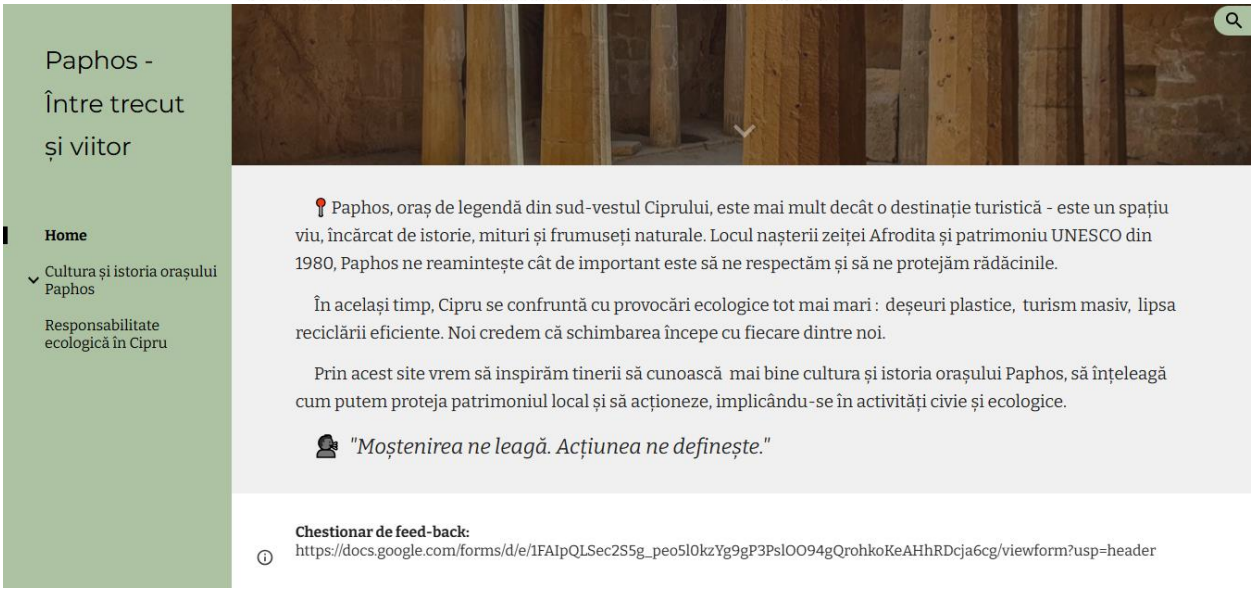
Responsibility Awareness Digital Campaign



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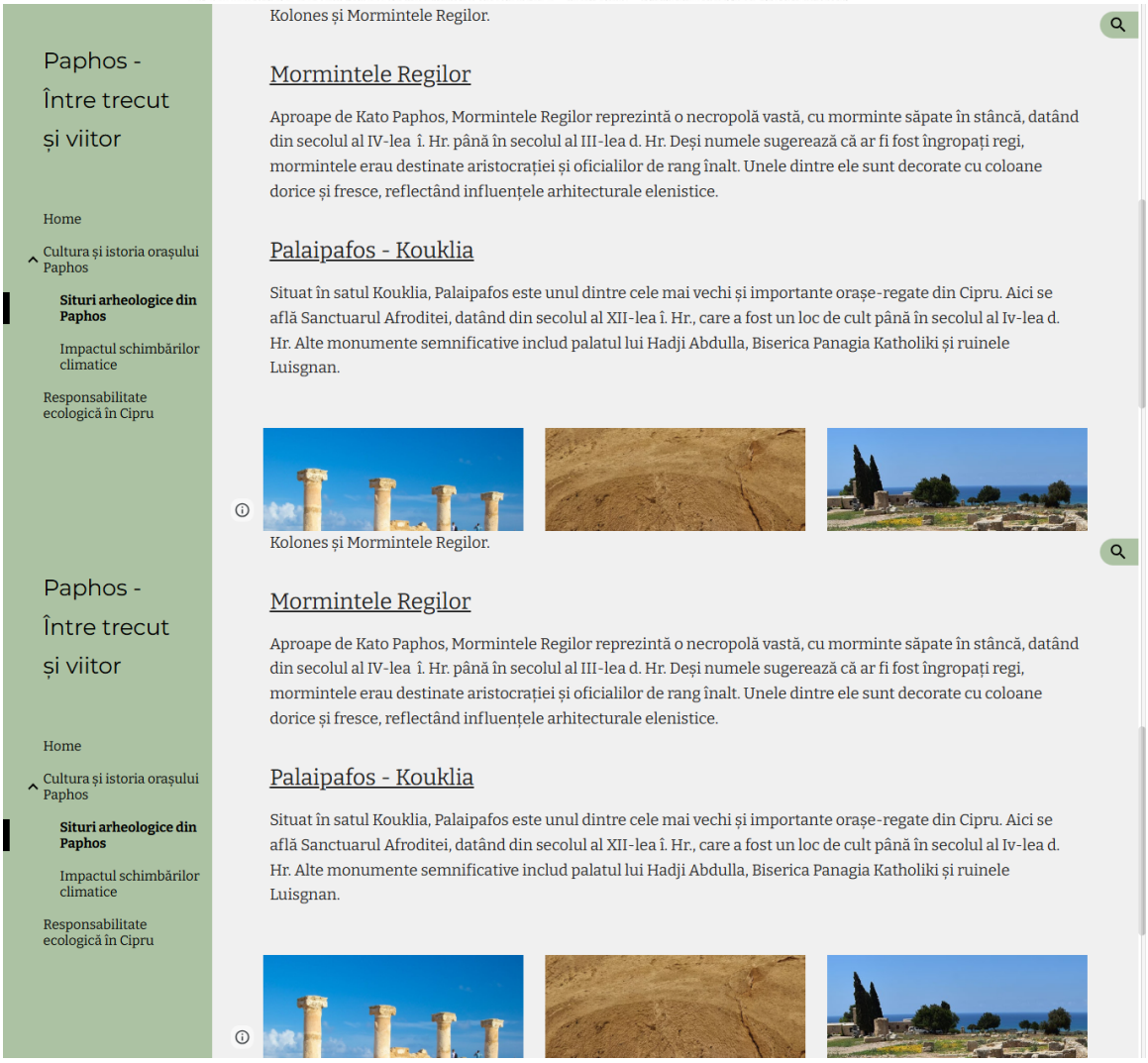
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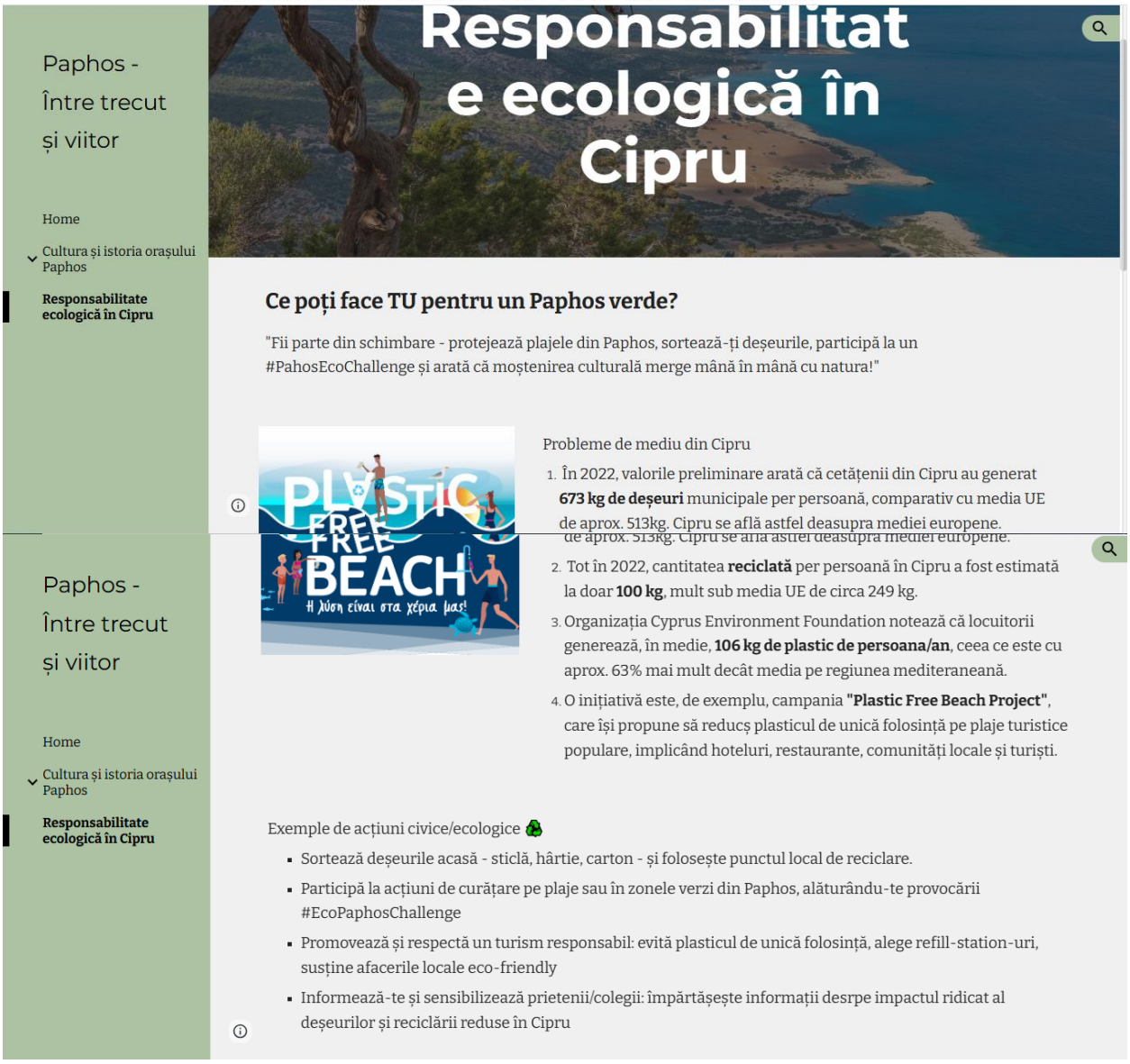
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Practical Training

main.cpp

```cpp
#include <iostream>
#include <string>
#include <cstring>

using namespace std;

int main(int argc, char **argv)
{
    int side1=0, side2=0, side3=0, side4=0;
    cout<<"You have entered "<<argc<<" arguments"<<endl;

    for(int i=0; i<argc; i++) cout<<argv[i]<<endl;

    if(argc<3)
    {
        cout<<"You have not given enough arguments!"<<endl;
        cout<<"Enter sides "<<endl;
        cout<<"Side 1: "; cin>>side1;
        cout<<"Side 2: "; cin>>side2;
        cout<<"Perimeter: "<<side1+side2+side3+side4<<endl;
    }
    else
    {
        //stoi nu exista in 16.01, trebuie un compilator mai nou
        side1=stoi(argv[1]);
        side2=stoi(argv[2]);
        side3=stoi(argv[3]);
        side4=stoi(argv[4]);
        cout<<"Perimeter: "<<side1+side2+side3+side4<<endl;

    }
    return 0;
}

```

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main.cpp

```cpp
#include <iostream>
using namespace std;

int main()
{
    int ARRAYSIZE = 0, n = 0, tempN = 0;
    float *exam1, *exam2, *temp1, *temp2;
    cout<<"How many students would you like to enter? "; cin>>ARRAYSIZE;
    exam1 = new float[ARRAYSIZE];
    exam2 = new float[ARRAYSIZE];

    do
    {
        cout<<"Exam 1 result for student "<<n+1<<": "; cin>>exam1[n];
        cout<<"Exam 2 result for student "<<n+1<<": "; cin>>exam2[n];
        cout<<"The student was saved!"<<endl<<endl;
        n++;

        if(n>=ARRAYSIZE)
        {
            cout<<"Out of Space!!! Would you like to enter more students?"<<endl;
            cout<<"Please enter how many more (0 to Exit): ";
            cin>>tempN;

            if(tempN>0)
            {
                ARRAYSIZE+=tempN;
                temp1=new float[ARRAYSIZE];
```

main.cpp

```cpp
            if(tempN>0)
            {
                ARRAYSIZE+=tempN;
                temp1=new float[ARRAYSIZE];
                temp2=new float[ARRAYSIZE];

                for(int i=0; i<n; i++)
                {
                    temp1[i]=exam1[i];
                    temp2[i]=exam2[i];
                }

                delete[] exam1;
                delete[] exam2;
                exam1=temp1;
                exam2=temp2;
            }
        }

    } while(n<ARRAYSIZE);

    cout<<"\n--- Student Results ---\n";
    for(int i=0; i<n; i++)
    {
        float avg=(exam1[i]+exam2[i])/2;
        cout<<"Student "<<i+1<< endl;
        cout<<"-------------"<<endl;
```

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main.cpp

```
                    temp1[i]=exam1[i];
                    temp2[i]=exam2[i];
                }

                delete[] exam1;
                delete[] exam2;
                exam1=temp1;
                exam2=temp2;
            }
        }

    } while(n<ARRAYSIZE);

    cout<<"\n--- Student Results ---\n";
    for(int i=0; i<n; i++)
    {
        float avg=(exam1[i]+exam2[i])/2;
        cout<<"Student "<<i+1<< endl;
        cout<<"-------------"<<endl;
        cout<<"Exam1: "<<exam1[i]<<endl;
        cout<<"Exam2: "<<exam2[i]<<endl;
        cout<<"Average: "<<avg<<endl<<endl;
    }
    delete[] exam1;
    delete[] exam2;
    return 0;
}
```

main.cpp

```
#include <iostream>
#include <string>
using namespace std;

class Car {
private:
    string brand;
    string model;
    int year;
    int hp;

public:
    void setBrand(string b) { brand = b; }
    void setModel(string m) { model = m; }
    void setYear(int y) { year = y; }
    void setHp(int h) { hp = h; }

    string getBrand() { return brand; }
    string getModel() { return model; }
    int getYear() { return year; }
    int getHp() { return hp; }
};

int main() {
    Car myCars[5];
    string brand, model;
```

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main.cpp

```
    Car myCars[5];
    string brand, model;
    int year, hp;

    for (int i = 0; i < 5; i++) {
        cout << "Enter information for car " << i + 1 << ":" << endl;

        cout << "Brand: ";
        cin >> brand;
        myCars[i].setBrand(brand);

        cout << "Model: ";
        cin >> model;
        myCars[i].setModel(model);

        cout << "Year: ";
        cin >> year;
        myCars[i].setYear(year);

        cout << "Horsepower (HP): ";
        cin >> hp;
        myCars[i].setHp(hp);

        cout << endl;
    }
```

main.cpp

```
        cout << "Year: ";
        cin >> year;
        myCars[i].setYear(year);

        cout << "Horsepower (HP): ";
        cin >> hp;
        myCars[i].setHp(hp);

        cout << endl;
    }

    cout << "=== Car Information ===" << endl;
    for (int i = 0; i < 5; i++) {
        cout << "Car " << i + 1 << ":" << endl;
        cout << "Brand: " << myCars[i].getBrand() << endl;
        cout << "Model: " << myCars[i].getModel() << endl;
        cout << "Year: " << myCars[i].getYear() << endl;
        cout << "HP: " << myCars[i].getHp() << endl;
        cout << "----------------------" << endl;
    }

    return 0;
}
```

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main.cpp

```cpp
int main()
{
    Car myCars[5];
    string brand, model;
    int year, hp;
    for(int i=0; i<5; i++)
    {
        cout<<"Enter information for car number "<<i+1<<": "<<endl;
        cout<<"Brand: "; cin>>brand;
        myCars[i].setBrand(brand);
        cout<<"Model: "; cin>>model;
        myCars[i].setModel(model);
        cout<<"Year: "; cin>>year;
        myCars[i].setYear(year);
        cout<<"Horsepower (HP): "; cin>>hp;
        myCars[i].setHp(hp);
        cout<<endl;
    }

    cout<<"Car Information"<<endl;
    cout<<"---------------"<<endl;
    for(int i=0; i<5; i++)
    {
        cout<<"Car "<<i+1<<":"<<endl;
        cout<<"Brand: "<<myCars[i].getBrand()<<endl;
        cout<<"Model: "<<myCars[i].getModel()<<endl;
        cout<<"Year: "<<myCars[i].getYear()<<endl;
        cout<<"HP: "<<myCars[i].getHp()<<endl<<endl;
    }
    return 0;
```

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main.cpp

```cpp
#include <iostream>
using namespace std;

int main()
{
    float  *average;
    int *exam1, *exam2, *exam3;
    int maxsize=5;
    exam1 = new int[maxsize];
    exam2 = new int[maxsize];
    exam3 = new int[maxsize];
    average = new float[maxsize];
    int high1=0, high2=0, high3=0, low1=11, low2=11, low3=11;
    float total1=0.0, total2=0.0, total3=0.0;

    cout<<"\a Welcome to the Program! \bthis is a test"<<endl;
    for(int i=0; i<maxsize; i++)
    {
        cout<<"Student "<<i+1<<endl;
        cout<<"--------------"<<endl;
        cout<<"Exam 1:"; cin>>exam1[i];
        cout<<"Exam 2:"; cin>>exam2[i];
        cout<<"Exam 3:"; cin>>exam3[i];

        average[i]=((float)exam1[i]+(float)exam2[i]+(float)exam3[i])/3.0;
        cout<<"Average for student "<<i+1<<": "<<average[i]<<endl;
        cout<<"\n";
```

main.cpp

```cpp
        average[i]=((float)exam1[i]+(float)exam2[i]+(float)exam3[i])/3.0;
        cout<<"Average for student "<<i+1<<": "<<average[i]<<endl;
        cout<<"\n";

        if(exam1[i]>high1) high1=exam1[i];
        if(exam1[i]<low1) low1=exam1[i];
        if(exam2[i]>high2) high2=exam2[i];
        if(exam2[i]<low2) low2=exam2[i];
        if(exam3[i]>high3) high3=exam3[i];
        if(exam3[i]<low3) low3=exam3[i];

        total1+=exam1[i];
        total2+=exam2[i];
        total3+=exam3[i];
    }
    total1/=maxsize;
    total2/=maxsize;
    total3/=maxsize;
    cout<<"\n\n\n";

    cout<<"----- CLASS RESULTS -----"<<endl;
    for(int i=0; i<maxsize; i++)
    {
        cout<<"Student "<<i+1<<endl;
        cout<<"\tExam 1: "<<exam1[i]<<endl;
        cout<<"\tExam 2: "<<exam2[i]<<endl;
        cout<<"\tExam 3: "<<exam3<<endl;
        cout<<"\tAverage: "<<average[i]<<endl<<endl;
```

main.cpp

```cpp
    cout<<"----- CLASS RESULTS -----"<<endl;
    for(int i=0; i<maxsize; i++)
    {
        cout<<"Student "<<i+1<<endl;
        cout<<"\tExam 1: "<<exam1[i]<<endl;
        cout<<"\tExam 2: "<<exam2[i]<<endl;
        cout<<"\tExam 3: "<<exam3<<endl;
        cout<<"\tAverage: "<<average[i]<<endl<<endl;
    }

    cout<<"HIGHEST"<<endl;
    cout<<"--------------"<<endl;
    cout<<"Exam1 : "<<high1<<endl;
    cout<<"Exam2 : "<<high2<<endl;
    cout<<"Exam3 : "<<high3<<endl<<endl;
    cout<<"LOWEST"<<endl;
    cout<<"--------------"<<endl;
    cout<<"Exam1 : "<<low1<<endl;
    cout<<"Exam2 : "<<low2<<endl;
    cout<<"Exam3 : "<<low3<<endl<<endl;
    cout<<"AVERAGE"<<endl;
    cout<<"--------------"<<endl;
    cout<<"Exam1 : "<<total1<<endl;
    cout<<"Exam2 : "<<total2<<endl;
    cout<<"Exam3 : "<<total3<<endl;
    return 0;
}
```

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SOS_arduino.ino

```
void setup() {
  pinMode(LED_BUILTIN, OUTPUT);

}

void loop() {
  digitalWrite(LED_BUILTIN, HIGH);
  delay(300);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);
  digitalWrite(LED_BUILTIN, HIGH);
  delay(300);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);
  digitalWrite(LED_BUILTIN, HIGH);
  delay(300);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);
  digitalWrite(LED_BUILTIN, HIGH);
  delay(600);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);
  digitalWrite(LED_BUILTIN, HIGH);
  delay(600);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);
  digitalWrite(LED_BUILTIN, HIGH);
  delay(600);
  digitalWrite(LED_BUILTIN, LOW);
  delay(100);


}
```

Output

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3LEDS_DISTANCE_arduino.ino

```
#define TRIG 7
#define ECHO 8
#define LESS 2
#define EQUAL 3
#define MORE 4


void setup() {
  Serial.begin(9600);
  pinMode(TRIG, OUTPUT);
  pinMode(ECHO, INPUT);
  pinMode(LESS, OUTPUT);
  pinMode(EQUAL, OUTPUT);
  pinMode(MORE, OUTPUT);
}

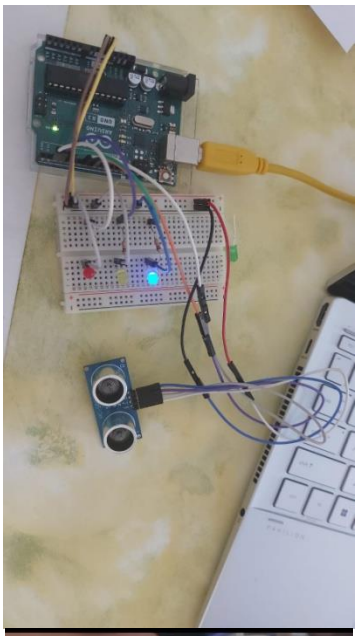
void loop() {
  digitalWrite(TRIG, LOW);
  digitalWrite(TRIG, HIGH);
  digitalWrite(TRIG, LOW);

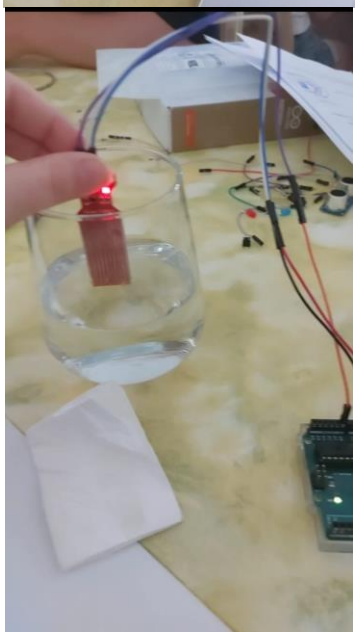
  long duration=pulseIn(ECHO, HIGH);
  int distance=duration*0.034/2;
  Serial.print("Distance: ");
  Serial.print(distance);
  Serial.print(" cm");
  Serial.println();

  if(distance<15)
  {
    digitalWrite(LESS, HIGH);
    digitalWrite(EQUAL, LOW);
    digitalWrite(MORE, LOW);
  }
  else if(distance==15)
  {
    digitalWrite(LESS, LOW);
    digitalWrite(EQUAL, HIGH);
    digitalWrite(MORE, LOW);
  }
  else
  {
    digitalWrite(LESS, LOW);
    digitalWrite(EQUAL, LOW);
    digitalWrite(MORE, HIGH);
  }

  delay(200);
}
```

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Cultural Preparation Project



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1.Scurtă INTRODUCERE

Cipru a fost administrat de Regatul Unit din 1878 (inițial ca protectorant) și a devenit colonie (crown colony) în 1925. Insula a obținut independența în 1960, în urma Acordurilor de la Londra și Zürich. După independență, Regatul Unit a păstrat două enclave suverane — Akrotiri și Dhekelia — drept baze militare.

Perioada britanică (1878-1960)

- Administrare civilă și modernizare infrastructurală (cale ferată în anumite perioade, instituții publice reorganizate, dezvoltarea administrației coloniale).
- Politica britanică a influențat limba de predare în școli, sistemul judiciar, și modelul de administrație publică.
- Tensiuni comunitare între greci și turci ciprioți, alimentate și de mișcări naționaliste (ex: Enosis — unirea cu Grecia — în rândul unor greci ciprioți).

1960 și concesiile convenite

Acordurile de la Londra și Zürich (1959–1960) au creat Republica Cipru independentă, dar au păstrat prerogativele britanice: Regatul Unit a rămas garantor și a menținut bazele suverane (Akrotiri & Dhekelia).



2. Impact politic, MILITAR ȘI SOCIAL

Akrotiri și Dhekelia – rolul strategic

- Baze militare britanice care funcționează ca puncte strategice în estul Mediteranei; ele oferă suport logistic și inteligență pentru forțele britanice și aliați.
- Teritoriul acoperit de bazele suverane include comunități civile și terenuri agricole; administrarea acestor zone rămâne sub legea britanică.

Consecințe politice majore

- Diviziunea insulei din 1974 (invazia turcă) și consecințele sale sunt un punct central în istoria recentă; Mecanismele garantate de 1960 (prezența britanică ca unul dintre garantori) au fost implicate diplomatic în multiple runde de negocieri.
- Prezența continuă a bazelor britanice a complicat (uneori) negocierile și percepțiile naționale, dar a oferit în același timp un punct de stabilitate militară în regiune.

Efecte sociale și instituționale

- Limba engleză a rămas larg folosită în administrație, turism, afaceri și educație (școli, universități, formare profesională).
- Sistemul juridic (dreptul comun britanic) a influențat cadrul legal, în special procedurile administrative și judecătorești.
- Modele de infrastructură, urbanism și clădiri publice cu arhitectură colonială rămân vizibile în orașe precum Nicosia, Larnaca sau Limassol.

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EFECTE CULTURALE ȘI TRADIȚII

Gastronomie

Anumite influențe culinare occidentale și obiceiuri de cafenea/tip „tea time" sunt observabile în spațiile urbane, alături de preparate tradiționale grecești/turce.



Educația și sportul:

Sistemul britanic de școli (licee/școli private) și sporturi comune (fotbal, cricket în comunități reduse) au modelat anumite practici.

Limbaj

Multe toponime administrative, denumiri de instituții și termeni profesionali folosesc engleza; mulți tineri vorbesc engleză fluent.



CONCLUZII

- Prezența britanică a avut efecte palpabile: instituționale (drept, administrație), culturale (limbă, educație), economice (infrastructură și turism) și geopolitice (baze militare, rol de garant).
- Unele efecte sunt integrate armonios în viața modernă a Ciprului, altele rămân sursă de tensiune sau dezbatere politică.

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