2025-1-RO01-KA121-VET-000319082

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

Beneficiary: "Gheorghe Vranceanu" National College, Bacau

Sending organization: "Gheorghe Vranceanu" National College, Bacau

MOBILITY PORTFOLIO

Valencia, Spain

Mobility period 24.10.2025- 06.11.2025 Practice period: 25.10.2025-05.11.2025

RECEIVING COMPANY: COMPACSERVER S.L.

Practice tutor: Joel Gómez Padial

Participant: Bontaș Alesia-Teodora

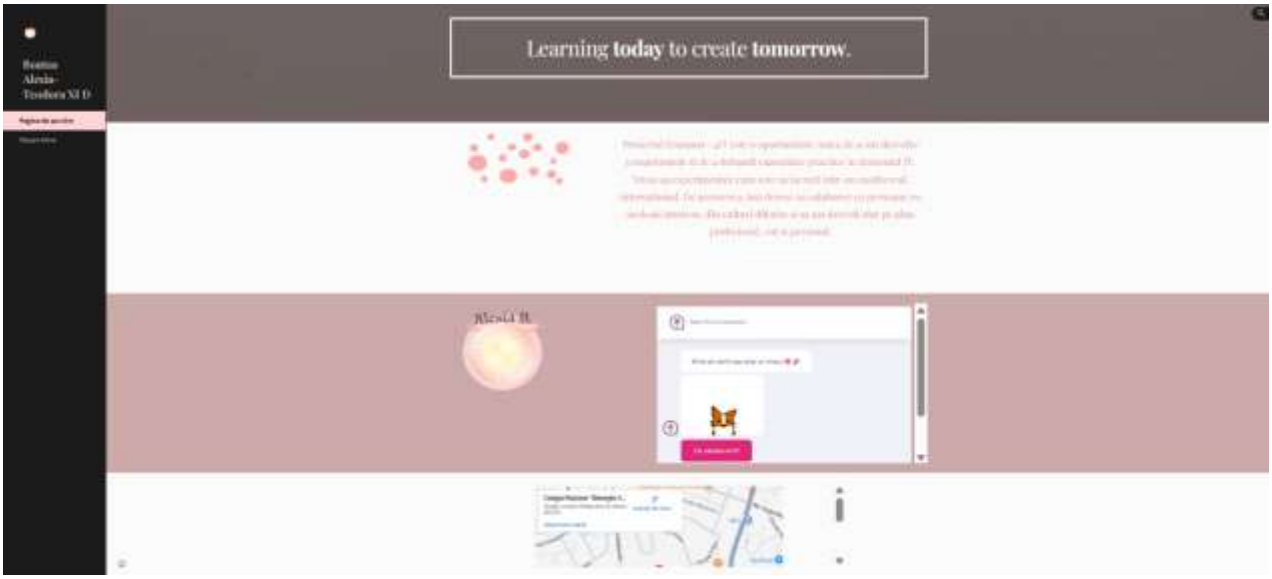
Sectiunea 1:

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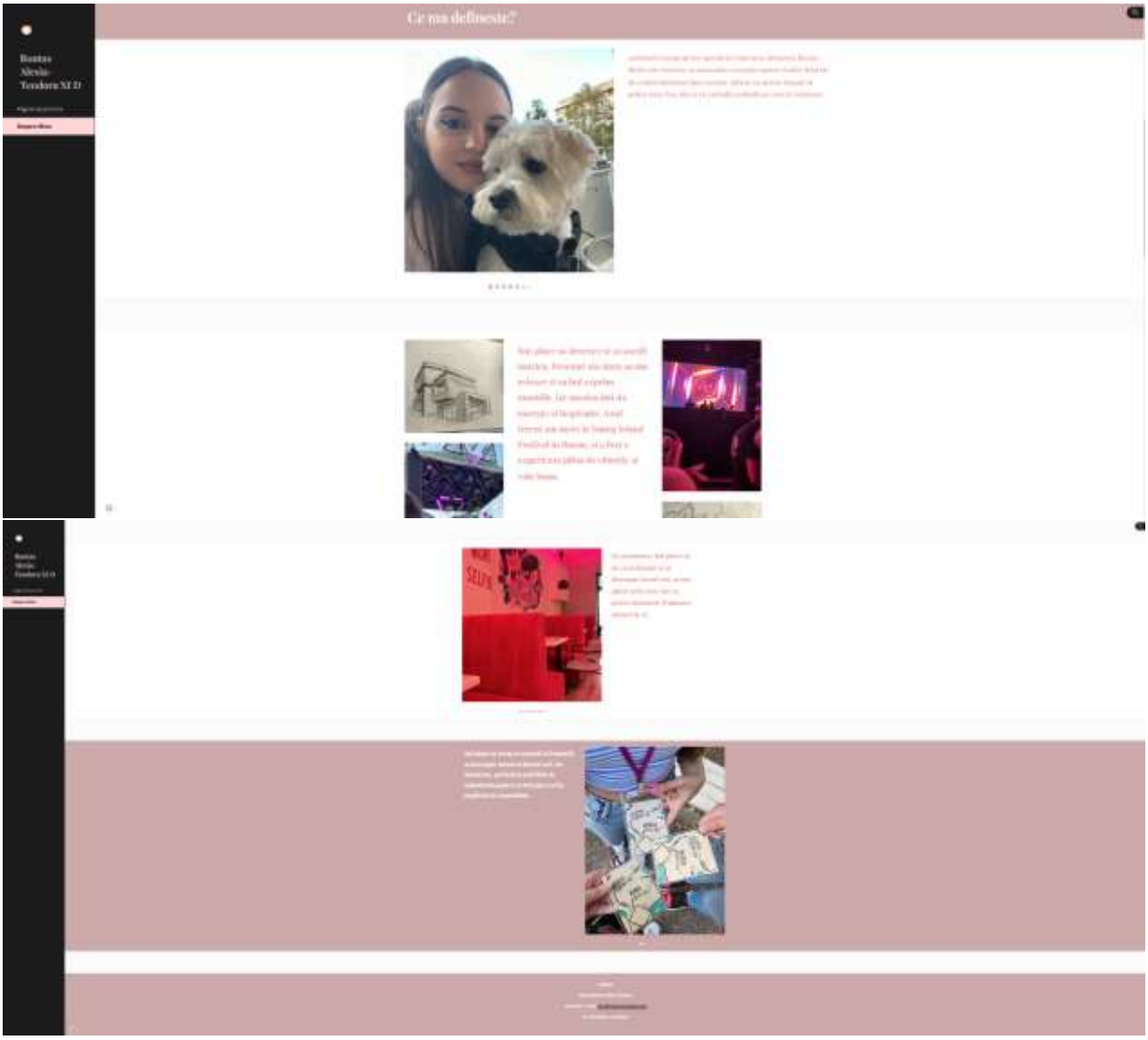


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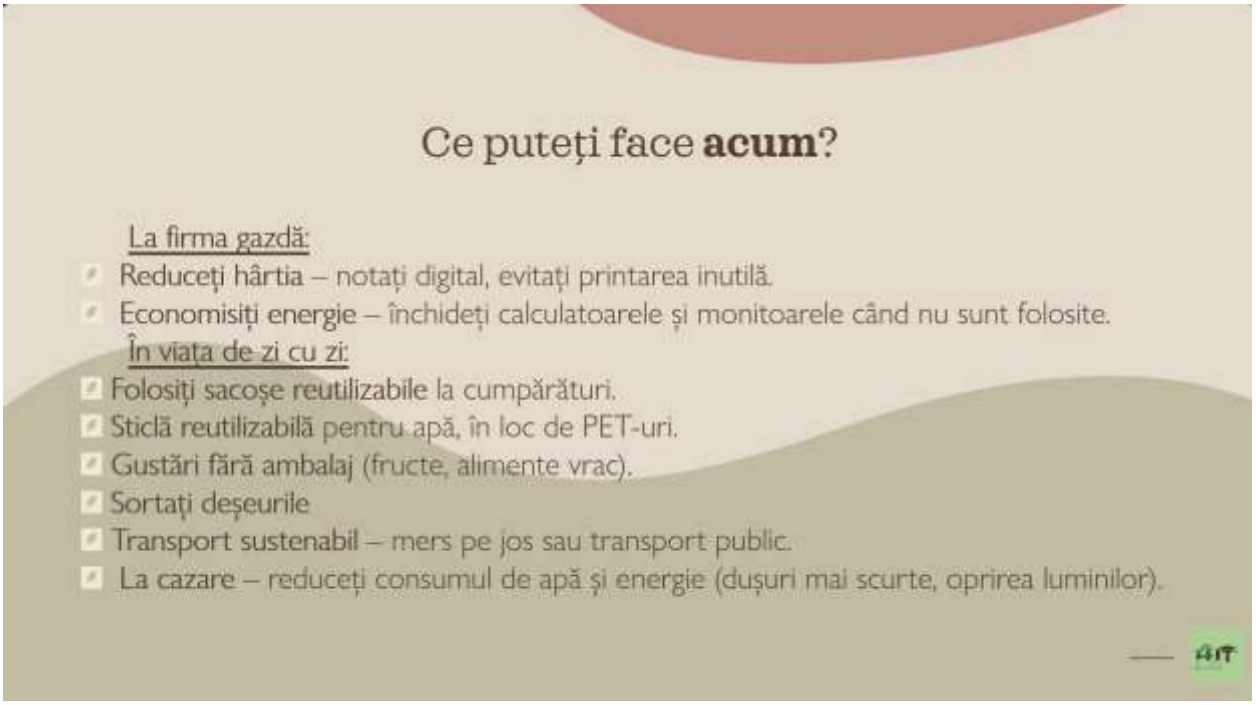
Pregătire culturală:

1)Comportament sustenabil și protecția mediului:

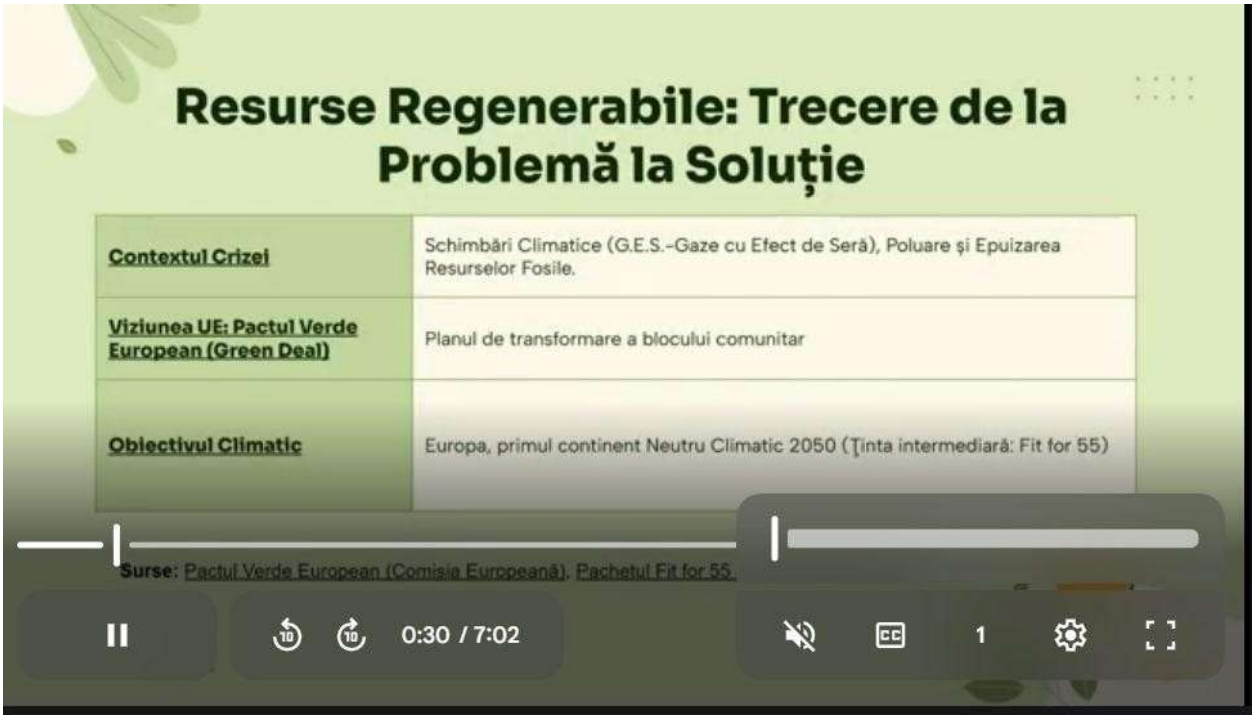
a) Reducerea deșeurilor:



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1b) utilizarea resurselor regenereabile:



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2)Competențe cheie Europene:



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3)Valencia - prezentare generală:

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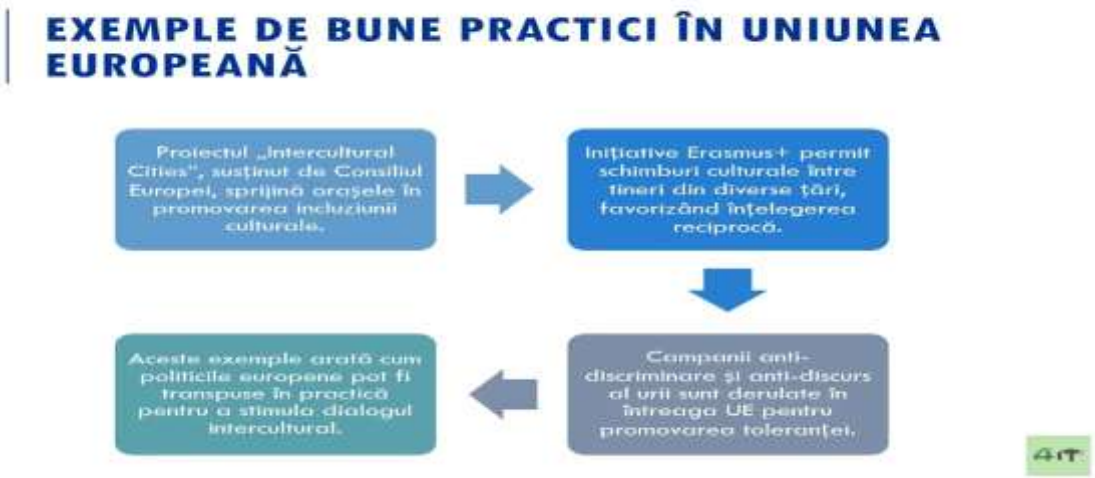




4)Diversitatea Culturală și Combaterea Discriminării:

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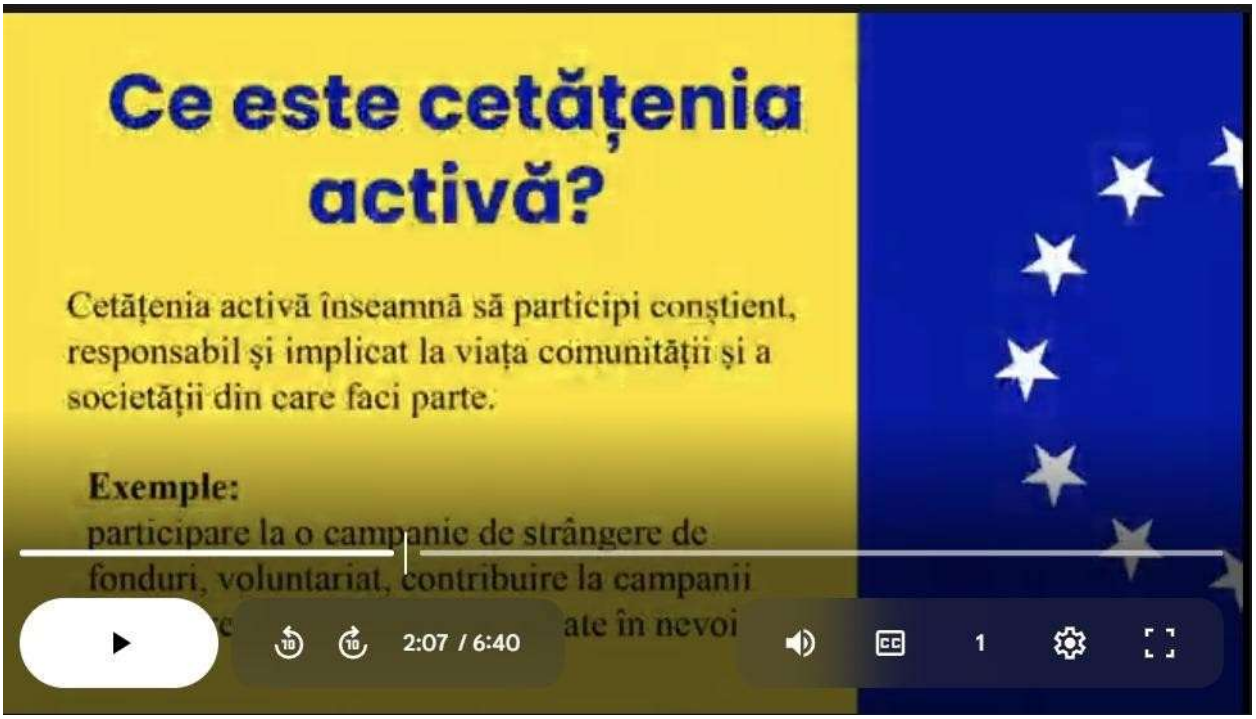




5)Valori europene, cetatenie activa si implicare democratica:

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6)Dezvoltare durabila si antreprenoriat: economia circulara:

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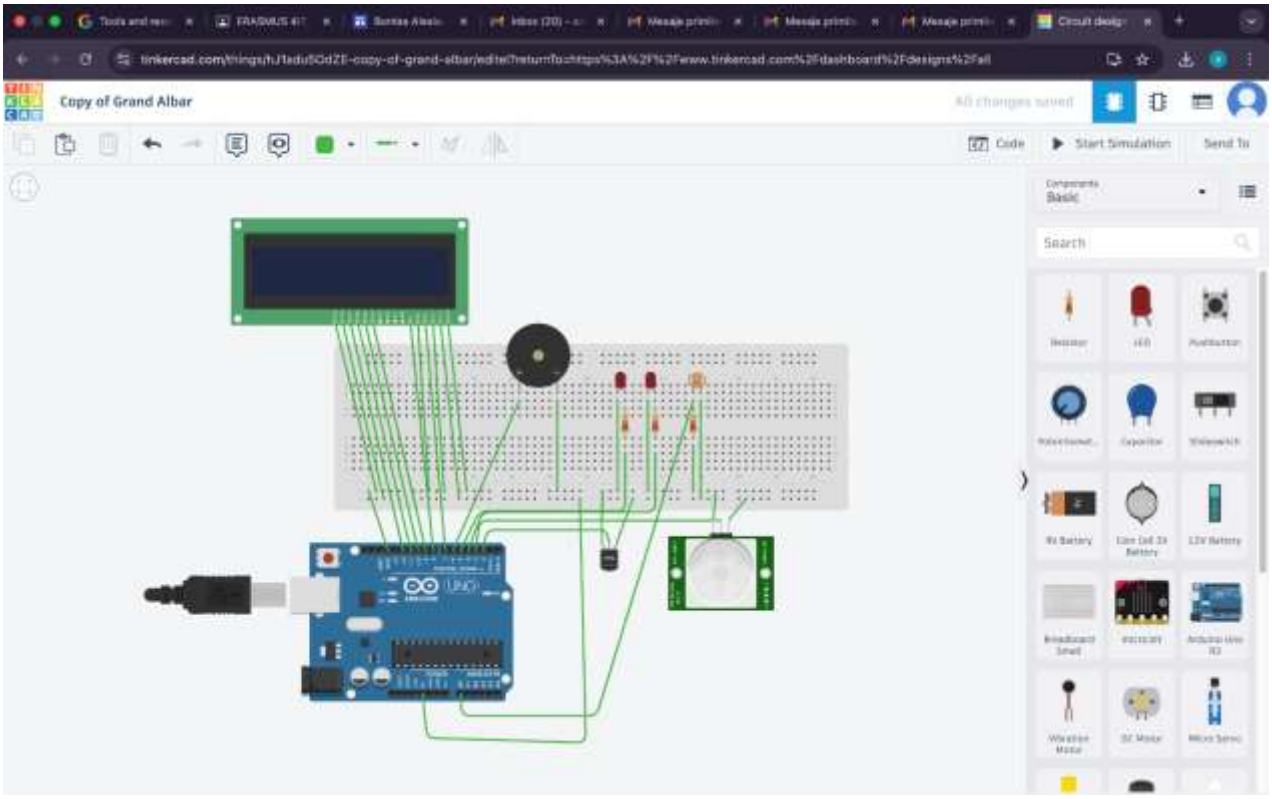
Sectiunea 2:Home station Controle

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```
pinMode(PIN6, OUTPUT);
pinMode(PIN5, OUTPUT);
pinMode(PIN3, OUTPUT);
pinMode(LED1, OUTPUT);
pinMode(LED2, OUTPUT);
pinMode(buzz, OUTPUT);
pinMode(PIR, INPUT);
pinMode(LDR, INPUT);
pinMode(sensor, INPUT);
lcd.begin(16,2);
}

void loop() {
  ExistAlarm = false;
  AlarmfromTemp = false;
  AlarmfromHum = false;
  AlarmfromLight = false;
  AlarmfromPresence = false;

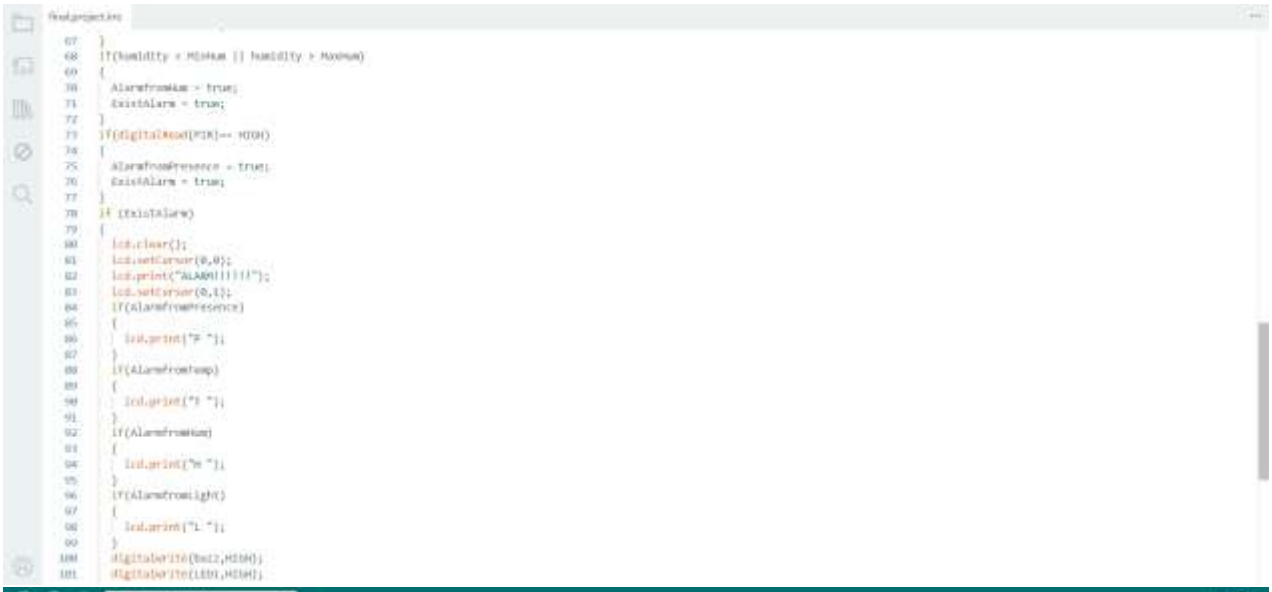
int Value = analogRead(LDR);
int ConValue = map(Value, 0 , 1023, 100, 0);
if(ConValue < MinLight || ConValue > MaxLight)
{
  AlarmfromLight = true;
  ExistAlarm = true;
}
byte temperature = 0;
byte humidity = 0;
byte data[40] = {0};
DHT.read(sensor, &temperature, &humidity, data);
if(temperature < MinTemp || temperature > MaxTemp)
{
  AlarmfromTemp = true;
  ExistAlarm = true;
}
```

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```
  }
  if(humidity < Minimum || humidity > Maximum)
  {
    AlarmfromHum = true;
    ExistAlarm = true;
  }
  if(digitalRead(PIR)== HIGH)
  {
    AlarmfromPresence = true;
    ExistAlarm = true;
  }
  if (ExistAlarm)
  {
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("ALARM!!!!!!");
    lcd.setCursor(0,1);
    if(AlarmfromPresence)
    {
      lcd.print("P ");
    }
    if(AlarmfromTemp)
    {
      lcd.print("T ");
    }
    if(AlarmfromHum)
    {
      lcd.print("H ");
    }
    if(AlarmfromLight)
    {
      lcd.print("L ");
    }
    digitalWrite(Buzz,HIGH);
    digitalWrite(LED1,HIGH);
```



```
    }
    if(AlarmfromHum)
    {
      lcd.print("H ");
    }
    if(AlarmfromLight)
    {
      lcd.print("L ");
    }
    digitalWrite(Buzz,HIGH);
    digitalWrite(LED1,HIGH);
    digitalWrite(LED2, HIGH);
    delay(1000);
  }
  else
  {
    digitalWrite(Buzz,LOW);
    digitalWrite(LED1,LOW);
    digitalWrite(LED2, LOW);
    lcd.clear();
    lcd.setCursor(0,0);
    lcd.print("L: ");
    lcd.print(Lumvalue);
    lcd.print(" % ");
    lcd.print("H: ");
    lcd.print(Humidity);
    lcd.print(" % ");
    lcd.setCursor(0,1);
    lcd.print("T: ");
    lcd.print(temperature);
    lcd.print(" *C ");
    lcd.print(" No P");
    delay(1000);
  }
}
```

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