SECTION-C

29 Ayesha's family is replacing their old computer with a new one. They decide to throw the old computer in a nearby empty field/plot.

I. Explain any one potential environmental hazard associated with improper e-waste disposal.Suggest one responsible way to Ayesha's family for proper disposal of their old computer.

II. Describe the importance of recycling in e-waste management.

I. E-waste can release harmful substances like lead and mercury into the environment.

II. They can donate or sell it to a certified e-waste recycling center.

Recycling e-waste helps conserve natural resources and reduces pollution.

30 Writeprogram to create the following DataFrame using a list of dictionaries.

	Product	Price
0	Laptop	60000
1	Desktop	45000
2	Monitor	15000
3	Tablet	30000

OR

Write a Python Program to create a Pandas Series as shown below using a dictionary. Note that the left column indicates the indices and the right column displays the data.

Russia	Moscow
Hungary	Budapest
Switzerland	Bern

```
import pandas as pd
d1 = {'Product': 'Laptop', 'Price': 60000}
d2 = {'Product': 'Desktop', 'Price': 45000}
d3 = {'Product': 'Monitor', 'Price': 15000}
d4 = {'Product': 'Tablet', 'Price': 30000}
data = [d1, d2, d3, d4]
df = pd.DataFrame(data)
print(df)
OR
import pandas as pd
data = {'Russia':'Moscow','Hungary':'Budapest','Switzerland':'Bern'}
s = pd.Series(data)
print(s)
```

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I. Write an SQL statement to create a table named **STUDENTS**, with the following specifications:

Column Name	Data Type	Key
StudentID	Numeric	Primary Key
FirstName	Varchar(20)	
LastName	Varchar(10)	
DateOfBirth	Date	
Percentage	Float(10,2)	

II. Write SQL Query to insert the following data in the Students Table

1, Supriya, Singh, 2010-08-18, 75.5

```
CREATE TABLE STUDENTS
 (
StudentID NUMERIC PRIMARY KEY,

FirstName VARCHAR(20),

LastName VARCHAR(10),

DateOfBirth DATE,

Percentage FLOAT(10,2)
);


INSERT INTO STUDENTS (StudentID, FirstName, LastName, DateOfBirth,
Percentage) VALUES (1, 'Supriya', 'Singh', '2010-08-18', 75.5);

OR

INSERT INTO STUDENTS  VALUES (1, 'Supriya', 'Singh', '2010-08-18', 75.5);
```

1	ABHINAV	AGRA
2	KABIR	FARIDABAD
3	ESHA	NOIDA
4	PAUL	SEOUL
5	VICTORIA	LONDON

Table: PAYROLL

EMP_ID	DEPARTMENT	DESIGNATION	SALARY
1	SALES	MANAGER	75000
2	SALES	ASSOCIATE	50000
3	ENGINEERING	MANAGER	95000
4	ENGINEERING	ENGINEER	70000
5	MARKETING	MANAGER	65000

Write appropriate SQL queries for the following:

I. Display department-wise average Salary.

II. List all designations in the decreasing order of Salary.

III. Display employee name along with their corresponding departments.

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I. SELECT DEPARTMENT, AVG(SALARY) FROM PAYROLL GROUP BY DEPARTMENT;

II. SELECT DESIGNATION FROM PAYROLL ORDER BY SALARY DESC;

III. SELECT EMP_NAME, DEPARTMENT FROM EMPLOYEE E, PAYROLL P WHERE E.EMP_ID=P.EMP_ID;

Table 1:

ATHLETE, which stores **AthleteID**, **Name**, **Country**. The table displays basic information of the athletes

Table 2:

MEDALS, which stores **AthleteID**, **Sport**, and **Medals**. The table displays the number of medals won by each athlete in their respective sports.

Table: ATHLETE

I. Display the sports-wise total number of medals won.

II. Display the names of all the Indian athletes in uppercase.

III. Display the athlete name along with their corresponding sports

SELECT SPORT,SUM(Medals) FROM MEDALS GROUP BY SPORT;

SELECT UPPER(Name) FROM ATHLETE WHERE COUNTRY = 'INDIA';

SELECT NAME, SPORT FROM ATHLETE A, MEDALS M WHERE A.AthleteID= M.AthleteID;