SET Operators – Part - 1

Create below two tables with RollNo as Int & Name as varchar (50) & insert records as given below.

Computer	
RollNo	Name
101	Ajay
109	Haresh
115	Manish

Electrical	
RollNo	Name
105	Ajay
107	Mahesh
115	Manish

1. Display name of students who is either in Computer or in Electrical.
2. Display name of students who is either in Computer or in Electrical including duplicate data.
3. Display name of students who is in both Computer and Electrical.
4. Display name of students who are in Computer but not in Electrical.
5. Display name of students who are in Electrical but not in Computer.
6. Display all the details of students who is either in Computer or in Electrical.
7. Display all the details of students who is in both Computer and Electrical.

Sub Queries – Part - 1

Create table as per following data.

- **Student** (RNo int, Name varchar (50), City varchar (50), DID int)
- **Academic** (RNo int, SPI Decimal (4,2), Bklog int)
- **Department** (DID int, DName varchar (50))

Student			
Rno	Name	City	DID
101	Raju	Rajkot	10
102	Amit	Ahmedabad	20
103	Sanjay	Baroda	40
104	Neha	Rajkot	20
105	Meera	Ahmedabad	30
106	Mahesh	Baroda	10

Academic		
Rno	SPI	Bklog
101	8.8	0
102	9.2	2
103	7.6	1
104	8.2	4
105	7.0	2
106	8.9	3

Department	
DID	DName
10	Computer
20	Electrical
30	Mechanical
40	Civil

1. Display details of students who are from computer department.
2. Display name of students whose SPI is more than 8.
3. Display details of students of computer department who belongs to Rajkot city.
4. Find total number of students of electrical department.
5. Display name of student who is having maximum SPI.
6. Display details of students having more than 1 backlog.
7. Display name of student who is having second highest SPI.
8. Display name of students who are either from computer department or from mechanical department.
9. Display name of students who are in same department as 102 studying in.
10. Display name of students whose SPI is more than 9 and who is from electrical department.

Select * Into

Create table Cricket with Name varchar (50), City varchar (50) & Age Int columns & insert records as given below.

Cricket		
Name	City	Age
Sachin Tendulkar	Mumbai	30
Rahul Dravid	Bombay	35
M. S. Dhoni	Jharkhand	31
Suresh Raina	Gujarat	30

1. Create table World cup from cricket with all the columns.
2. Create table T20 from cricket with first two columns with no data.
3. Create table IPL From Cricket with No Data
4. Insert the Data into IPL from Cricket Whose Second Character Should Be 'A' And String Should Have At least 7 Characters in Cricket Name Field.
5. Delete All the Rows From IPL.
6. Delete the Detail of Cricketer Whose City is Jharkhand.
7. Rename the Table IPL to IPL2018.
8. Destroy table T20 with All the Data.

User Defined Functions (UDF)

1. Write a function to print number from 1 to 10. (Using while loop)
2. Write a function to check where given number is ODD or EVEN.
3. Write a function to print ODD numbers between 1 and 10.
4. Write a function to print Sum of numbers from 1 to 50.
5. Write a function to print Sum of even numbers between 1 to 20.
6. Write a function to check weather given number is prime or not.
7. Write a function to inserting even numbers into even table & odd numbers into odd table between 1 to 50.