Lab01: Foundation statements of SQL

Exercises

Using StudentInformation database, formulate the following queries:

1. Get StdID, StdName, StdDOB, StdPhone and ProgID from Std table.

Query:

select StdId,StdName,StdDOB,StdPhone,progId from Std

Results		■ Messages					
Stdld		StdName	StdDOB	StdPhone	progld		
1	1	Bisma	2000-02-02 00:00:00	03012345678	1		
2	2	Sadia	2001-01-01 00:00:00	03112345678	1		
3	3	Sarah	2001-03-05 00:00:00	03023456789	1		
4	4	Namra	2001-06-19 00:00:00	03123456789	1		
5	5	Waqar	1999-09-10 00:00:00	03312345678	1		
6	6	Noman	2001-08-25 00:00:00	03323456789	1		
7	7	Abrar	2001-01-05 00:00:00	03412345678	1		
8	8	Mohsin	2001-03-23 00:00:00	03423456789	1		
9	9	Sikandar	2001-09-13 00:00:00	03612345678	1		
10	10	Javed	2001-10-21 00:00:00	03512345678	1		

2. Select all permanent teachers from teacher table.

Query:

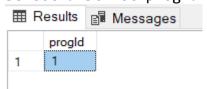
select * from Teacher where Status = 'Permanent'

	TeacherID	TeacherName	TeacherDOB	TeacherDOJ	TeacherGender	Status	BasicSalary	HouseRent	Job	Manager
1	2	Dr. Ahmed	1980-01-31 00:00:00	2004-01-31 00:00:00	Male	Permanent	80000.00	45000.00	S. Lecturer	5
2	5	Dr. Safdar	1980-01-01 00:00:00	2014-01-01 00:00:00	Male	Permanent	200000.00	65000.00	J. Associate Prof	NULL
3	6	Dr. Sohaib	1972-09-01 00:00:00	2012-01-06 00:00:00	Male	Permanent	280000.00	80000.00	Sr. Associate Prof	NULL
4	7	Dr. Fatima	1984-06-06 00:00:00	2018-02-01 00:00:00	Female	Permanent	225000.00	50000.00	J. Assist Prof	6

3. Display all the Program IDs that have students enrolled without repetition from Std Table.

Query:

select distinct progId from Std



4. Display data of all students who belong to ProgramID = 1

Query:

select * from Std where progId = '1'

Ⅲ F	Results	B Messag	ges						
	StdID	StdName	StdDOB	FirstSem	StdPhone	StdAddress	StdEmail	GuardianContact	ProgID
1	1	Bisma	2000-02-02 00:00:00	1	03012345678	NULL	NULL	NULL	1
2	2	Sadia	2001-01-01 00:00:00	1	03112345678	NULL	NULL	NULL	1
3	3	Sarah	2001-03-05 00:00:00	3	03023456789	NULL	NULL	NULL	1
4	4	Namra	2001-06-19 00:00:00	3	03123456789	NULL	NULL	NULL	1
5	5	Waqar	1999-09-10 00:00:00	1	03312345678	NULL	NULL	NULL	1
6	6	Noman	2001-08-25 00:00:00	3	03323456789	NULL	NULL	NULL	1
7	7	Abrar	2001-01-05 00:00:00	4	03412345678	NULL	NULL	NULL	1
8	8	Mohsin	2001-03-23 00:00:00	4	03423456789	NULL	NULL	NULL	1
9	9	Sikandar	2001-09-13 00:00:00	6	03612345678	NULL	NULL	NULL	1
10	10	Javed	2001-10-21 00:00:00	6	03512345678	NULL	NULL	NULL	1

5. Display names of students who belong to ProgramID=1.

Query:

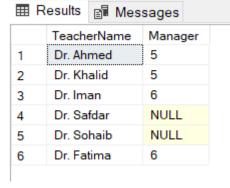
select StdName from Std where progId = '1'



6. Display all faculty names and their Manager number from Teacher table.

Query:

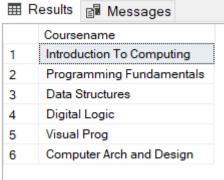
select TeacherName,Manager from teacher



7. Display all lab based courses, which are being taught in either Computer Science programor IT program.

Query:

select Coursename from Course where CreditHrsLab='1'



8. Display name and salary of teachers where salaries lies in the range of 100 K to 200 K.

Query:

select teachername,basicSalary from teacher where basicSalary
between '100000' and '200000'

