

SQL&gt; --Question-2

SQL&gt; SELECT rollNo FROM student WHERE sex='female' AND name LIKE '%o%';

ROLLN

-----

25940

2629

26730

27430

27528

27727

28019

28361

28977

2967

29863

ROLLN

-----

29920

31080

31476

32056

33206

33759

33882

34055

34386

35

35198

ROLLN

-----

35357

36263

37219

37430

37715

37809

38555

38691



Type here to search



28°C

5:17 PM  
1/23/2023

```

39238
39552

ROLLN
-----
39892
40044
4015
40276
40303
40457
40677
40682
42019
43130
43226

ROLLN
-----
44271
44304
4508
45570
45720
463
46436
4682
47677
48589
49073

ROLLN
-----
49280
1018
10736
11055
11262
11419
11510
11682
    
```

```
ROLLN
-----
49280
1018
10736
11055
11262
11419
11510
11682
1220
12326
12666

ROLLN
-----
12979
13290
13352
13403
13408
13753
13826
14214
15030
15070
15144

ROLLN
-----
15430
16075
16311
17128
17192
17207
17424
18108
18367
18469
```



Type here to search



5:17 PM  
1/23/2023



```

18367
18469
18636

ROLLN
-----
18809
19203
19603
19766
21009
21101
21225
21337
21766
22618
23457

ROLLN
-----
23934
50658
50719
50966
51579
51768
51862
51955
52371
53485
53699

110 rows selected.

SQL> --Question-3
SQL> SELECT COUNT(empId) FROM professor WHERE name LIKE '%a' AND startYear>2000;

COUNT(EMPID)
-----
0

```



0

SQL&gt; --Question-4

SQL&gt; SELECT name FROM department WHERE deptId&gt;=10 AND phone LIKE '%55%';

NAME

-----

Finance

Geology

Athletics

SQL&gt; --Question-5

SQL&gt; --NOT THERE

SQL&gt; --Question-6

SQL&gt; SELECT distinct(year),count(grade),count(year)

2 FROM enrollment

3 GROUP BY year;

YEAR COUNT(GRADE) COUNT(YEAR)

-----

2005 194 194

2001 117 117

2003 270 270

2004 138 138

2002 281 281

SQL&gt; SELECT distinct(year),count(grade),count(year)

2 FROM enrollment

3 WHERE grade='A'

4 GROUP BY year;

YEAR COUNT(GRADE) COUNT(YEAR)

-----

2005 46 46

2001 28 28

2004 29 29

2003 64 64

2002 50 50

SQL&gt; --Question-7

SQL&gt; SELECT courseId,count(preReqCourse)



Type here to search


5:17 PM  
1/23/2023

SQL&gt; --Question-7

SQL> SELECT courseId,count(preReqCourse)  
2 FROM prerequisite  
3 GROUP BY courseId;

COURSEID COUNT(PREREQCOURSE)

-----  
169 1  
209 1  
236 1  
254 1  
292 1  
324 2  
353 2  
443 1  
631 1  
792 1  
795 1

COURSEID COUNT(PREREQCOURSE)

-----  
802 1  
972 1  
158 1  
258 1  
338 2  
359 2  
458 1  
591 1  
656 2  
663 1  
692 3

COURSEID COUNT(PREREQCOURSE)

-----  
747 2  
780 1  
793 1  
810 1  
830 1  
902 1


Type here to search



28°C


5:17 PM  
1/23/2023


```
COURSEID COUNT(PREREQCOURSE)
-----
```

```
747      2
780      1
793      1
810      1
830      1
902      1
272      1
392      1
612      1
805      1
991      1
```

```
COURSEID COUNT(PREREQCOURSE)
-----
```

```
224      1
313      1
399      1
486      1
496      3
558      1
603      1
608      2
628      1
804      1
998      1
```

```
COURSEID COUNT(PREREQCOURSE)
-----
```

```
241      1
242      2
349      1
362      2
582      1
664      2
696      1
774      2
820      1
877      1
276      1
```



Type here to search


5:18 PM  
1/23/2023


```

241      1
242      2
349      1
362      2
582      1
664      2
696      1
774      2
820      1
877      1
276      1

```

COURSEID COUNT(PREREQCOURSE)

-----

```

376      1
403      2
411      1
704      1
841      1
843      1
947      1
958      3
239      1
545      2
559      1

```

COURSEID COUNT(PREREQCOURSE)

-----

```

586      1
618      1
852      2
875      1
457      1
544      2
629      1
647      1
694      1
760      1
864      1

```

77 rows selected.



```
544          2
629          1
647          1
694          1
760          1
864          1
```

77 rows selected.

SQL> --Question-8

SQL> SELECT count(courseId) FROM teaching WHERE sem='Even' and classroom='R1';

```
COUNT(COURSEID)
-----
                2
```

SQL> SELECT count(courseId) FROM teaching WHERE sem='Odd' and classroom='R1';

```
COUNT(COURSEID)
-----
                3
```

SQL> SELECT count(courseId) FROM teaching WHERE sem='Even' and classroom LIKE '%R1';

```
COUNT(COURSEID)
-----
                2
```

SQL> SELECT count(courseId) FROM teaching WHERE sem='Odd' and classroom LIKE '%R1%';

```
COUNT(COURSEID)
-----
                7
```

SQL> SELECT count(courseId) FROM teaching WHERE sem='Even' and classroom LIKE '%R1%';

```
COUNT(COURSEID)
-----
                5
```

SQL> \_