

ARYAN 21BRS1272Assignment – 3

```
SQL> alter table employee21BRS1272 add designation varchar(20);
Table altered.

SQL> insert into employee21BRS1272 values ('121','Rama','01/jan/2000','room3','15/apr/2022',9823456765,'d01',70000,'Senior_Analyst');
1 row created.

SQL> insert into employee21BRS1272 values ('122','Bunty','07/feb/2000','roo_ma','16/apr/2022',9912672618,'d02',70000,'Senior_Analyst');
1 row created.

SQL> insert into employee21BRS1272 values ('123','Sparsh','30/mar/2000','roo1_ma','19/jun/2022',9723451234,'d01',52000,'Typist');
1 row created.

SQL> insert into employee21BRS1272 values ('124','Rajiv','24/nov/2000','roo2_ma','29/mar/2022',9723423434,'d02',7000,'Typist');
1 row created.

SQL> insert into employee21BRS1272 values ('125','Raja','20/nov/2000','room2','29/dec/2022',9521761238,'d01',60000,'Manager');
1 row created.

SQL> insert into employee21BRS1272 values ('126','Aman','01/apr/2000','room2','30/nov/2022',9245737878,'d02',75000,'Senior_Manager');
1 row created.

SQL> insert into employee21BRS1272 values ('127','Raman','27/feb/2000','roo_ma','30/mar/2022',9672398232,'d02',75000,'Senior_Manager');
1 row created.
```

Q1

```
SQL> alter table employee21BRS1272 add designation varchar(20);
Table altered.
```

```
SQL> select distinct(designation) from employee21BRS1272;

DESIGNATION
-----
Senior_Analyst
Typist
Manager
Senior_Manager
```

Q2

```
SQL> select dept_no,sum(salary) from employee21BRS1272 group by dept_no;

DEPT_ SUM(SALARY)
-----
d01      182000
d02      227000

SQL>
```

Q3

```
SQL> update employee21BRS1272 set salary = 25000 where designation = 'Typist';  
2 rows updated.
```

Q4

```
SQL> update employee21BRS1272 set mobile_no = 9123485345 where emp_name = 'Raja';  
1 row updated.
```

Q5

```
SQL> delete from employee21BRS1272 where emp_no = 121;  
1 row deleted.
```

Q6

```
SQL> delete from employee21BRS1272 where salary = 70000;  
1 row deleted.
```

Q7

```
SQL> update employee21BRS1272 set salary=salary+salary*0.25 where dept_no = 'd01';  
2 rows updated.
```

Q8

```
SQL> select emp_name,salary from employee21BRS1272 where salary between 50000 and 90000;
```

EMP_NAME	SALARY
Raja	75000
Aman	75000
Raman	75000

Q9

```
SQL> select address from employee21BRS1272 where address like '%ma%';  
  
ADDRESS  
-----  
roo1_ma  
roo2_ma  
roo_ma
```

Q10

```
SQL> select emp_name from employee21BRS1272 where emp_name like 'Sp%';  
  
EMP_NAME  
-----  
Spارش
```

Q11

```
SQL> select emp_name from employee21BRS1272 where emp_name like '%v';  
  
EMP_NAME  
-----  
Rajiv
```

Q12

```
SQL> select emp_name from employee21BRS1272 where emp_name like '____';  
  
EMP_NAME  
-----  
Rajiv  
Raman
```

Q13

```
SQL> select emp_name from employee21BRS1272 order by emp_name;  
  
EMP_NAME  
-----  
Aman  
Raja  
Rajiv  
Raman  
Spارش
```

Q14

```
SQL> select emp_name from employee21BRS1272 order by emp_name desc;
```

```
EMP_NAME
-----
Spارش
Raman
Rajiv
Raja
Aman
```

Q15

```
SQL> select dept_no, avg(salary) from employee21BRS1272 group by dept_no;
```

```
DEPT_  AVG(SALARY)
-----
d01      53125
d02    58333.3333
```

Q16

```
SQL> select dept_no from employee21BRS1272 having sum(salary) > 25000 group by dept_no;
```

```
DEPT_
-----
d01
d02
```

Q17

```
SQL> select count (emp_name) from employee21BRS1272;
```

```
COUNT(EMP_NAME)
-----
5
```

Q18

```
SQL> select avg(salary),max(salary),min(salary) from employee21BRS1272;
```

```
AVG(SALARY)  MAX(SALARY)  MIN(SALARY)
-----
56250        75000        25000
```