SECTION 3- ORACLE

SQL> create table employees(

2 EMP\_ID number(6) not null,

3 FIRST\_NAME varchar2(20),

4 LAST\_NAME varchar2(25) not null,

5 EMAIL varchar2(25) not null,

6 PHONE\_NUMBER varchar2(20),

7 HIRE\_DATE date not null,

8 JOB\_ID varchar2(10) not null,

9 SALARY number(8,2),

10 COMMISSION\_PCT number(2,2),

11 MANAGER\_ID number(6),

12 DEPARTMENT\_ID number(4));

Table created.

SQL> alter table employees

2 modify commission\_pct number(6,2);

Table altered.

SQL> insert into employees values( &EMP\_ID,'&FIRST\_NAME','&LAST\_NAME','&EMAIL','&PHONE\_NUMBER','&HIRE\_DATE',&JOB\_ID,&SALARY,&COMMISSION\_PCT,&MANAGER\_ID,&DEPARTMENT\_ID);

Enter value for emp\_id: 10

Enter value for first\_name: naman

Enter value for last\_name: garg

Enter value for email: ngarg098@gmail.com

Enter value for phone\_number: 9719807118

Enter value for hire\_date: 18-jul-2010

Enter value for job\_id: 11

Enter value for salary: 35000

Enter value for commission\_pct: 21

Enter value for manager\_id: 12

Enter value for department\_id: 13

old 1: insert into employees values( &EMP\_ID,'&FIRST\_NAME','&LAST\_NAME','&EMAIL','&PHONE\_NUMBER','&HIRE\_DATE',&JOB\_ID,&SALARY,&COMMISSION\_PCT,&MANAGER\_ID,&DEPARTMENT\_ID)

new 1: insert into employees values( 10,'naman','garg','ngarg098@gmail.com','9719807118','18-jul-2010',11,35000,21,12,13)

1 row created.

SQL> /

Enter value for emp\_id: 20

Enter value for first\_name: shubham

Enter value for last\_name: aggarwal

Enter value for email: shu.agar@gmail.com

Enter value for phone\_number: 9987456321

Enter value for hire\_date: 15-jul-2011

Enter value for job\_id: 11

Enter value for salary: 25000

Enter value for commission\_pct: 36

Enter value for manager\_id: 12

Enter value for department\_id: 14

old 1: insert into employees values( &EMP\_ID,'&FIRST\_NAME','&LAST\_NAME','&EMAIL','&PHONE\_NUMBER','&HIRE\_DATE',&JOB\_ID,&SALARY,&COMMISSION\_PCT,&MANAGER\_ID,&DEPARTMENT\_ID)

new 1: insert into employees values( 20,'shubham','aggarwal','shu.agar@gmail.com','9987456321','15-jul-2011',11,25000,36,12,14)

1 row created.

SQL> /

Enter value for emp\_id: 30

Enter value for first\_name: chetan

Enter value for last\_name: choniyal

Enter value for email: chetan.choniyal@gmail.com

Enter value for phone\_number: 9685741236

Enter value for hire\_date: 15-may-2010

Enter value for job\_id: 13

Enter value for salary: 14

Enter value for commission\_pct: 25

Enter value for manager\_id: 14

Enter value for department\_id: 12

old 1: insert into employees values( &EMP\_ID,'&FIRST\_NAME','&LAST\_NAME','&EMAIL','&PHONE\_NUMBER','&HIRE\_DATE',&JOB\_ID,&SALARY,&COMMISSION\_PCT,&MANAGER\_ID,&DEPARTMENT\_ID)

new 1: insert into employees values( 30,'chetan','choniyal','chetan.choniyal@gmail.com','9685741236','15-may-2010',13,14,25,14,12)

1 row created.

SQL> /

Enter value for emp\_id: 40

Enter value for first\_name: kanika

Enter value for last\_name: arora

Enter value for email: kanika.arora@gmail.com

Enter value for phone\_number: 8006975019

Enter value for hire\_date: 14-jul-2011

Enter value for job\_id: 13

Enter value for salary: 25000

Enter value for commission\_pct: 32

Enter value for manager\_id: 15

Enter value for department\_id: 12

old 1: insert into employees values( &EMP\_ID,'&FIRST\_NAME','&LAST\_NAME','&EMAIL','&PHONE\_NUMBER','&HIRE\_DATE',&JOB\_ID,&SALARY,&COMMISSION\_PCT,&MANAGER\_ID,&DEPARTMENT\_ID)

new 1: insert into employees values( 40,'kanika','arora','kanika.arora@gmail.com','8006975019','14-jul-2011',13,25000,32,15,12)

1 row created.

EMP\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT MANAGER\_ID DEPARTMENT\_ID

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10 naman garg ngarg098@gmail.com 9719807118 18-JUL-10 11 35000 21 12 13

20 shubham aggarwal shu.agar@gmail.com 9987456321 15-JUL-11 11 25000 36 12 14

30 chetan choniyal chetan.choniyal@gmail.com 9685741236 15-MAY-10 13 14 25 14 12

40 kanika arora kanika.arora@gmail.com 8006975019 14-JUL-11 13 25000 32 15 12

QUERY 1;

SQL> select emp\_id,last\_name,first\_name,concat(substr(first\_name,1,1),substr(last\_name,1,7)) as user\_id,salary from employees;

EMP\_ID LAST\_NAME FIRST\_NAME USER\_ID SALARY

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10 garg naman ngarg 35000

20 aggarwal shubham saggarwa 25000

30 choniyal chetan cchoniya 14

40 arora kanika karora 25000

QUERY 2;

SQL> select count(\*) as no\_of\_employees, to\_char

2 (hire\_date,'yyyy') as year from

3 employees group by to\_char(hire\_date,'yyyy');

NO\_OF\_EMPLOYEES YEAR

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2 2010

2 2011

QUERY 3:

SQL> select count(\*) as no\_of\_employees,job\_id as job\_id from employees group by job\_id;

NO\_OF\_EMPLOYEES JOB\_ID

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2 13

2 11

QUERY 5:

SQL> select first\_name,last\_name,salary,department\_id from employees

2 where salary in(select min(salary) from employees)

3 order by department\_id;

FIRST\_NAME LAST\_NAME SALARY DEPARTMENT\_ID

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chetan choniyal 14 12