SUBJECT: RDBMS USING ORACLE

CREATE TABLE Employee (Emp_No VARCHAR2(6) PRIMARY KEY,Name VARCHAR2(25),DOB DATE,DOJ DATE, Basic NUMBER(6),DA NUMBER(6,2),HRA NUMBER(6,2), GPF NUMBER(6,2), City VARCHAR2(25));

```
SQL> desc employee;
 Name                                      Null?    Type
 ----------------------------------------- -------- -----------------------------
 EMP_NO                                     NOT NULL VARCHAR2(6)
 NAME                                                VARCHAR2(25)
 DOB                                                 DATE
 DOJ                                                 DATE
 BASIC                                               NUMBER(6)
 DA                                                  NUMBER(6,2)
 HRA                                                 NUMBER(6,2)
 GPF                                                 NUMBER(6,2)
 CITY                                                VARCHAR2(25)
```

select *from employee;

```
SQL> SELECT *FROM EMPLOYEE
  2  ;

EMP_NO NAME                  DOB       DOJ         BASIC         DA        HRA        GPF CITY
------ --------------------- --------- --------- ---------- ---------- ---------- ---------- -------------------------
E00001 Rajesh                12-JUN-85 15-AUG-10     25000       7000       6750       1775 Rajkot
E00002 ram                   23-MAR-09 01-JAN-15     32000       8960       8640       2272 Baroda
E00003 Sanjay                02-DEC-92 12-FEB-18     28000       7840       7560       1988 Surat
E00004 Rakesh                11-JUL-88 05-MAY-12                                            Ahmedabad
E00005 RAJU                  17-JUL-70 05-MAY-12     27000       7560                  1917 Vadodara
```

1) Retrieve employee names that are getting salary more than 30000

```
SQL> SELECT Name FROM EMPLOYEE WHERE(BASIC+DA+HRA)>30000;

NAME
-------------------------
Rajesh
ram
Sanjay
```

2) Find employee details in the order of their salary.

```
SQL> SELECT *FROM EMPLOYEE ORDER BY(BASIC+DA+HRA)ASC;

EMP_NO NAME                  DOB       DOJ         BASIC         DA        HRA        GPF CITY
------ --------------------- --------- --------- ---------- ---------- ---------- ---------- -------------------------
E00001 Rajesh                12-JUN-85 15-AUG-10     25000       7000       6750       1775 Rajkot
E00003 Sanjay                02-DEC-92 12-FEB-18     28000       7840       7560       1988 Surat
E00002 ram                   23-MAR-09 01-JAN-15     32000       8960       8640       2272 Baroda
E00005 RAJU                  17-JUL-70 05-MAY-12     27000       7560                  1917 Vadodara
E00004 Rakesh                11-JUL-88 05-MAY-12                                            Ahmedabad
```

3) Retrieve employee no with their name and city who are living in city other than 'rajkot' as well 'baroda'.

```
SQL> select *from employee where city NOT IN ('Rajkot','Baroda');

EMP_NO NAME                       DOB       DOJ        BASIC         DA        HRA        GPF CITY
------ -------------------------- --------- --------- ---------- ---------- ---------- ---------- --------------------------
E00003 Sanjay                     02-DEC-92 12-FEB-18     28000       7840       7560       1988 Surat
E00004 Rakesh                     11-JUL-88 05-MAY-12                                            Ahmedabad
E00005 RAJU                       17-JUL-70 05-MAY-12     27000       7560                   1917 Vadodara
```

4) Find name of all employees who have not been paid salary.

```
SQL> SELECT Name
  2  FROM Employee
  3  WHERE Basic IS NULL
  4  OR DA IS NULL
  5  OR HRA IS NULL;

NAME
--------------------------

Rakesh
RAJU
```

5) Retrieve employee number, name and city whose name are of minimum of six letters and starts with first letter as 'r' and third letter as 'j'.

```
SQL> SELECT *FROM EMPLOYEE WHERE NAME LIKE 'R_j%';

EMP_NO NAME                       DOB       DOJ        BASIC         DA        HRA        GPF CITY
------ -------------------------- --------- --------- ---------- ---------- ---------- ---------- --------------------------
E00001 Rajesh                     12-JUN-85 15-AUG-10     25000       7000       6750       1775 Rajkot
```

6) Retrieve name of employees who have not opted for HRA.

```
SQL> SELECT Name
  2  FROM Employee
  3  WHERE HRA IS NULL OR HRA = 0;

NAME
--------------------------
Rakesh
RAJU
```

7) Find name of employees with their total salary.

Total Salary = Basic+DA+HRA-GPF

```
SQL> SELECT Name, (Basic + DA + HRA - GPF) AS Total_Salary
  2  FROM Employee;

NAME                     TOTAL_SALARY
------------------------ ------------
Rajesh                          36975
ram                             47328
Sanjay                          41412
Rakesh
RAJU
```