NAME – SIDDHESH GAJANAN SHARMA

ROLL NO – C21110

SUBJECT - ADBMS

Q.1	. Do the following: 1. Create table **Student** with fields RollNo, Name, City, DOB, Subject. 2. Partition the **Student** table based on Subjects as per following. S1 = (SAD , Cprog, PEM) S2 = (MIS,DBMS, SE) S3 = (ADBT, NS, JAVA) 3. Insert eight records in **Student** table. 4. display the details of students who opt for SAD, Cprog, PEM	**15 Marks**

```
create table student
( RollNo numeric(5),
  Name varchar2(20),
  City varchar2(20),
  DOB DATE,
  Subject varchar2(20))
PARTITION BY LIST(Subject)
  (
  PARTITION S1 VALUES('SAD','Cprog','PEM'),
  PARTITION S2 VALUES('MIS','DBMS','SE'),
  PARTITION S3 VALUES('ADBT','NS','JAVA'),
  PARTITION S4 VALUES('ERP','AdvJava','French'),
  PARTITION S5 VALUES(DEFAULT)
  )
  enable row movement
   ;
insert into student values(101,'siddhesh sharma',’Dadar’,TO_DATE('26/03/2000','DD/MM/YY'),’JAVA’);
insert into student values(102,'kunal ambre','Borivali',TO_DATE('23/09/1999','DD/MM/YY'),'DBMS');
insert into student values(103,'rutvik patil','Bhadnup',TO_DATE('14/08/1998','DD/MM/YY'),'MIS');
insert into student values(104,'Divya Chokshi','Virar',TO_DATE('19/10/2000','DD/MM/YY'),'SE');
insert into student values(105,'Bhavesh Parekh','Mulund',TO_DATE('15/08/1999','DD/MM/YY'),'SAD');
insert into student values(106,'Priyanka Chopra','Thane',TO_DATE('08/05/2001','DD/MM/YY'),'ERP');
```

insert into student values(107,'Omkar Nadkarni','Ulhasnagar',TO_DATE('09/06/2001','DD/MM/YY'),'French');

insert into student values(108,'Sudarshan Bategeri','Ambernath',TO_DATE('17/01/1999','DD/MM/YY'),'ADBT');

Select *from student;

SQL Plus

```
SQL> select *from student;

    ROLLNO NAME                 CITY                DOB
---------- -------------------- -------------------- ---------
SUBJECT
--------------------
       105 Bhavesh Parekh       Mulund              15-AUG-99
SAD

       102 kunal ambre          Borivali            23-SEP-99
DBMS

       103 rutvik patil         Bhadnup             14-AUG-98
MIS


    ROLLNO NAME                 CITY                DOB
---------- -------------------- -------------------- ---------
SUBJECT
--------------------
       104 Divya Chokshi        Virar               19-OCT-00
SE

       108 Sudarshan Bategeri   Ambernath           17-JAN-99
ADBT

       101 siddhesh sharma      Dadar               26-MAR-00
JAVA


    ROLLNO NAME                 CITY                DOB
---------- -------------------- -------------------- ---------
SUBJECT
--------------------
       106 Priyanka Chopra      Thane               08-MAY-01
ERP

       107 Omkar Nadkarni       Ulhasnagar          09-JUN-01
French


8 rows selected.
```

Q.2	Using these vectors create a data frame named Employee age <- c(40, 49, 48, 40, 67, 52, 53) salary <- c(103200, 106200, 150200, 10606, 10390, 14070, 10220) gender <- c("male", "male", "transgender", "female", "male", "female", "transgender")	15 Marks

```
> age<-c(40,49,48,40,67,52,53)
> salary<-c(103200,106200,150200,10606,10390,14070,10220)
> gender<-c("male","male","transgender","female","male","female","transgender")
> class.df<-data.frame(age,salary,gender)
> extract<-data.frame(class.df$age,class.df$salary,class.df$gender)
> print(extract)
```