

NAME :SAHIL THOMBARE

ROLL NO : C21123-B

SUBJECT:ADBMS

QUESTION2:

Using these vectors create a data frame named Employee
age <- c(40, 49, 48, 46, 52, 53)
salary <- c(103200, 106200, 150200, 10606, 10390, 14070, 10220)
gender <- c("male", "male", "transgender", "female", "male", "female", "transgender")

CODE:

```
Employee.ID <- sprintf("Employee % d", 1:7)
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(Employee.ID, age, salary, gender)
class.df
str(class.df)
```

OUTPUT:

```
> Employee.ID <- sprintf("Employee % d", 1:7)
warning message:
package 'arules' was built under R version 4.0.5
> 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(Employee.ID, age, salary, gender)
> class.df
  Employee.ID age salary    gender
1 Employee 1  40 103200      male
2 Employee 2  49 106200      male
3 Employee 3  48 150200 transgender
4 Employee 4  40  10606      female
5 Employee 5  67  10390      male
6 Employee 6  52  14070      female
7 Employee 7  53   10220 transgender
>
> str(class.df)
'data.frame':   7 obs. of  4 variables:
 $ Employee.ID: chr  "Employee 1" "Employee 2" "Employee 3" "Employee 4" ...
 $ age        : num  40 49 48 40 67 52 53
 $ salary     : num  103200 106200 150200 10606 10390 ...
 $ gender     : chr  "male" "male" "transgender" "female" ...
> |
```

QUESTION 1:

Create table name students with attributes rollno,name, address,dob,mobile and aslo create three partition based on roll no. As

Roll<20

Roll<40

Roll<60

1.insert minimum 3 record s in each partition.

2 add one more partition to the student table such that value is less than 80

3 insert few records in new partition

4 perform one updation on each partition and display the data from table asa well as partition

5 display partition from table

6 drop any attribute

OUTPUT:

```
SQL Plus
SQL> create table college_student(
  2 roll_no number(5),
  3 name varchar2(30),
  4 address varchar2(50),
  5 mobile_no number(10),
  6 Dob DATE)
  7 PARTITION BY RANGE (roll_no)
  8 (
  9 PARTITION ROLLNOLESS20 VALUES LESS THAN (20),
 10 PARTITION ROLLNOLESS40 VALUES LESS THAN (40),
 11 PARTITION ROLLNOLESS60 VALUES LESS THAN (60)
 12 );

Table created.

SQL> insert into college_student values(12,'sahil','bhandup',9920759285,TO_DATE('21/08/2000','DD/MM/YYYY'));
1 row created.

SQL> insert into college_student values(32,'sarvesh','mulund',9920104432,TO_DATE('10/01/2001','DD/MM/YYYY'));
insert into college_student values(32,'sarvesh','mulund',99220104432,TO_DATE('10/01/2001','DD/MM/YYYY'))
ERROR at line 1:
ORA-01438: value larger than specified precision allowed for this column

SQL> insert into college_student values(32,'sarvesh','mulund',9920104432,TO_DATE('10/01/2001','DD/MM/YYYY'));
1 row created.

SQL> insert into college_student values(52,'uddhav','ghatkhopar',9920104432,TO_DATE('15/01/2001','DD/MM/YYYY'));
1 row created.

SQL> select * from college_student;

  ROLL_NO NAME
-----
ADDRESS
-----
MOBILE_NO DOB
-----
12 sahil
bhandup          9920759285 21-AUG-00

32 sarvesh
mulund          9920104432 10-JAN-01

52 uddhav
ghatkhopar      9920104432 15-JAN-01
```

```
SQL Plus

  ROLL_NO NAME
-----
ADDRESS
-----
MOBILE_NO DOB
-----
12 sahil
bhandup          9920759285 21-AUG-00

32 sarvesh
mulund          9920104432 10-JAN-01

52 uddhav
ghatkhopar      9920104432 15-JAN-01

SQL> select * from college_student PARTITION(ROLLNOLESS20);

  ROLL_NO NAME
-----
ADDRESS
-----
MOBILE_NO DOB
-----
12 sahil
bhandup          9920759285 21-AUG-00

SQL> select * from college_student PARTITION(ROLLNOLESS40);

  ROLL_NO NAME
-----
ADDRESS
-----
MOBILE_NO DOB
-----
32 sarvesh
mulund          9920104432 10-JAN-01

SQL> select * from college_student PARTITION(ROLLNOLESS60);

  ROLL_NO NAME
-----
ADDRESS
-----
MOBILE_NO DOB
-----
52 uddhav
ghatkhopar      9920104432 15-JAN-01
```