

ASSIGNMENT – 01 (DBMS LAB)

❖ PROBLEM:

Create a table.

➤ PROGRAM:

```
create table Ranjan02(Roll_No number(30),Name varchar2(50),Sec varchar2(50),primary
key(Roll_No));
```

✓ OUTPUT:

Table created;

❖ PROBLEM:

Display the table.

➤ PROGRAM:

```
describe ranjan02;
```

✓ OUTPUT:

Object Type TABLE Object RANJAN02

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
RANJAN02	ROLL_NO	Number	-	30	0	1	-	-	-
	NAME	Varchar2	50	-	-	-	✓	-	-
	SEC	Varchar2	50	-	-	-	✓	-	-
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❖ PROBLEM:

Insert values to the table.

➤ PROGRAM:

Begin

```
insert into Ranjan02 values(1,'Ranjan','A');
```

```
insert into Ranjan02 values(2,'Rana','A');
```

```
insert into Ranjan02 values(3,'Pratyay','A');
```

```
insert into ranjan02 values('4','Sampad','B');
```

```
insert into ranjan02 values('5','Prasun','A');
```

```
insert into ranjan02 values('6','Shirsendu','B');
```

```
insert into ranjan02 values('7','Sampad','B');
```

```
insert into ranjan02 values('8','Prasun','A');
```

```
insert into ranjan02 values('9','Shirsendu','B');
```

```
insert into ranjan02 values('10','Shivam','C');
insert into ranjan02 values('11','Rilesh','A');
insert into ranjan02 values('12','Raja','B');
insert into ranjan02 values('13','Sanjoy','B');
insert into ranjan02 values('14','Bikram','D');
insert into ranjan02 values('15','Sourav','C');
insert into ranjan02 values('16','Joydip','B');
insert into ranjan02 values('17','Akhtar','A');
insert into ranjan02 values('18','Ahmed','B');
insert into ranjan02 values('19','Purnendu','C');
insert into ranjan02 values('20','Novendu','B');
insert into ranjan02 values('21','Suvadip','A');
insert into ranjan02 values('22','Saheb','C');
insert into ranjan02 values('23','Tarun','A');
insert into ranjan02 values('24','Merie','C');
insert into ranjan02 values('25','Sangita','D');
insert into ranjan02 values('26','Soumitra','D');
insert into ranjan02 values('27','Moumita','C');
insert into ranjan02 values('28','Vicky','A');
insert into ranjan02 values('29','Pallab','B');
insert into ranjan02 values('30','Akash','C');

end
```

✓ **OUTPUT:**

```
Statement processed.
```

❖ **PROBLEM:**

Show the database.

➤ **PROGRAM:**

```
select * from ranjan02;
```

✓ **OUTPUT:**

ROLL_NO	NAME	SEC
1	Ranjan	A
2	Rana	A
3	Pratyay	A
4	Sampad	B
5	Prasun	A
6	Shirsendu	B
7	Sampad	B
8	Prasun	A
9	Shirsendu	B
10	Shivam	C
11	Rilesh	A
12	Raja	B
13	Sanjoy	B
14	Bikram	D
15	Sourav	C
16	Joydip	B
17	Akhtar	A
18	Ahmed	B
19	Purnendu	C
20	Novendu	B
21	Suvadip	A
22	Saheb	C
23	Tarun	A
24	Merie	C
25	Sangita	D
26	Soumitra	D
27	Moumita	C
28	Vicky	A
29	Pallab	B
30	Akash	C

❖ **PROBLEM:**

Add extra column.

➤ **PROGRAM:**

```
alter table ranjan02 add semester varchar2(38);
```

✓ **OUTPUT:**

Table altered.

❖ **PROBLEM:**

Fill all the data to the added column.

➤ **PROGRAM:**

Begin

```
update ranjan02 set semester='2 nd' where roll_no=1;
update ranjan02 set semester='2 nd' where roll_no=2;
update ranjan02 set semester='3 rd' where roll_no=3;
update ranjan02 set semester='5 th' where roll_no=4;
update ranjan02 set semester='5 th' where roll_no=5;
update ranjan02 set semester='2 nd' where roll_no=6;
update ranjan02 set semester='3 rd' where roll_no=7;
update ranjan02 set semester='2 nd' where roll_no=8;
update ranjan02 set semester='3 rd' where roll_no=9;
update ranjan02 set semester='3 rd' where roll_no=10;
update ranjan02 set semester='5 th' where roll_no=11;
update ranjan02 set semester='2 nd' where roll_no=12;
update ranjan02 set semester='3 rd' where roll_no=13;
update ranjan02 set semester='5 th' where roll_no=14;
update ranjan02 set semester='2 nd' where roll_no=15;
update ranjan02 set semester='3 rd' where roll_no=16;
update ranjan02 set semester='5 th' where roll_no=17;
update ranjan02 set semester='3 rd' where roll_no=18;
update ranjan02 set semester='3 rd' where roll_no=19;
update ranjan02 set semester='2 nd' where roll_no=20;
update ranjan02 set semester='2 nd' where roll_no=21;
update ranjan02 set semester='2 nd' where roll_no=22;
update ranjan02 set semester='3 rd' where roll_no=23;
update ranjan02 set semester='3 rd' where roll_no=24;
update ranjan02 set semester='5 th' where roll_no=25;
update ranjan02 set semester='5 th' where roll_no=26;
update ranjan02 set semester='2 nd' where roll_no=27;
```

```

update ranjan02 set semester='3 rd' where roll_no=28;

update ranjan02 set semester='3 rd' where roll_no=29;

update ranjan02 set semester='3 rd' where roll_no=30;

end

```

✓ **OUTPUT:**

Statement processed.

❖ **PROBLEM:**

Show the new database.

➤ **PROGRAM:**

```
select * from ranjan02;
```

✓ **OUTPUT:**

ROLL_NO	NAME	SEC	SEMESTER
1	Ranjan	A	2 nd
2	Rana	A	2 nd
3	Pratyay	A	3 rd
4	Sampad	B	5 th
5	Prasun	A	5 th
6	Shirsendu	B	2 nd
7	Sampad	B	3 rd
8	Prasun	A	2 nd
9	Shirsendu	B	3 rd
10	Shivam	C	3 rd
11	Rilesh	A	5 th
12	Raja	B	2 nd
13	Sanjoy	B	3 rd
14	Bikram	D	5 th
15	Sourav	C	2 nd
16	Joydip	B	3 rd
17	Akhtar	A	5 th
18	Ahmed	B	3 rd
19	Purnendu	C	3 rd
20	Novendu	B	2 nd
21	Suvadip	A	2 nd
22	Saheb	C	2 nd
23	Tarun	A	3 rd
24	Merie	C	3 rd
25	Sangita	D	5 th
26	Soumitra	D	5 th
27	Moumita	C	2 nd
28	Vicky	A	3 rd
29	Pallab	B	3 rd
30	Akash	C	3 rd

