Assignment-3

Create table with following fields

1.**tblcourse**-CourseId(P.K,A.I),Coursename,Courseshortname,Coursetype

```sql
create table tblcourse (CourseId int NOT NULL  IDENTITY(1,1),
Coursename varchar(50) NOT NULL,
Courseshortname varchar(50) NOT NULL,
Coursetype varchar(50) NOT NULL,
PRIMARY KEY(CourseId));

insert into tblcourse values('Bsc Physics','PHY','UG');
insert into tblcourse values('Bachelor of Computer Applications','BCA','UG');
insert into tblcourse values('Master of Computer Applications','MCA','PG');
insert into tblcourse values('Master of Social Work','MSW','PG');
insert into tblcourse values('Bachelor of Social Work','BSW','UG');
insert into tblcourse values('bussiness Administration','MBA','PG');
```

2.**tblbatch**- BatchId(P.K,A.I),BatchName

```sql
create table tblbatch (BatchId int NOT NULL  IDENTITY(100,1),
BatchName varchar(50) NOT NULL,
PRIMARY KEY(BatchId));

insert into tblbatch values('First Years');
insert into tblbatch values('Second Years');
insert into tblbatch values('Third Years');
```

3.**tblstudent**-
StudentId(P.K,A.I),Student_Name,,Student_Gender,Student_DOB,Student_Email,CourseId,BatchId ,Student_Mark

```sql
create table tblstudent(StudentId int NOT NULL  IDENTITY(1554,1),
Student_Name varchar(50) NOT NULL,
Student_Gender varchar(50) NOT NULL,
Student_DOB date NOT NULL,
Student_Email varchar(50) NOT NULL,
Course_Id int FOREIGN KEY REFERENCES tblcourse(CourseId),
Batch_id int FOREIGN KEY REFERENCES tblbatch(BatchId),
Student_Mark int NOT NULL,
PRIMARY KEY(StudentId));

insert into tblstudent values('Aleena','Female','1999-03-10','aleena@gmail.com',1,100,94);
insert into tblstudent values('Danya','Female','1999-02-12','danya@gmail.com',2,101,84);
insert into tblstudent values('Anto','Male','1998-08-10','anto@gmail.com',3,102,92);
```

1.Select all the details of courses.

```
select * from tblcourse;
```

CourseId	Coursename	Courseshortname	Coursetype
1	Bsc Physics	PHY	UG
2	Bachelor of Computer Applications	BCA	UG
3	Master of Computer Applications	MCA	PG
4	Master of Social Work	MSW	PG
5	Bachelor of Social Work	BSW	UG
6	bussiness Administration	MBA	PG

2.Select the name of UG Courses.

```
select Coursename from tblcourse where Coursetype='UG';
```

Coursename
Bsc Physics
Bachelor of Computer Applications
Bachelor of Social Work

3.Select the name and short name of PG Courses.

```
select Coursename, Courseshortname from tblcourse where Coursetype='PG';
```

Coursename	Courseshortname
Master of Computer Applications	MCA
Master of Social Work	MSW
bussiness Administration	MBA

4.Select all the details of batches.

```
select * from tblbatch;
```

BatchId	BatchName
100	First Years
101	Second Years
102	Third Years

5.Select all the details of students.

```
select * from tblstudent;
```

StudentId	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_Id	Batch_id	Student_Mark
1554	Aleena	Female	1999-03-10	aleena@gmail.com	1	100	94
1555	Danya	Female	1999-02-12	danya@gmail.com	2	101	84
1556	Anto	Male	1998-08-10	anto@gmail.com	3	102	92

6.Insert 3 students details whose course is MCA OR BCA.

```
insert into tblstudent values('Archana','Female','1999-02-12','archana@gmail.com',2,101,88) select Course_Id from tblstudent where
Course_Id=(select CourseId from tblcourse where Courseshortname='MCA' or Courseshortname='BCA');

insert into tblstudent values('Annie','Female','1999-06-10','annie@gmail.com',3,100,91)select Course_Id from tblstudent where
Course_Id=(select CourseId from tblcourse where Courseshortname='MCA' or Courseshortname='BCA');

insert into tblstudent values('Ashish','Male','1997-06-19','ashish@gmail.com',2,101,81)select Course_Id from tblstudent where
Course_Id=(select CourseId from tblcourse where Courseshortname='MCA' or Courseshortname='BCA');

select * from tblstudent;
```

StudentId	Student_Name	Student_Gender	Student_DOB	Student_Email	Course_Id	Batch_id	Student_Mark
1554	Aleena	Female	1999-03-10	aleena@gmail.com	1	100	94
1555	Danya	Female	1999-02-12	danya@gmail.com	2	101	84
1556	Anto	Male	1998-08-10	anto@gmail.com	3	102	92
1557	Archana	Female	1999-02-12	archana@gmail.com	2	101	88
1558	Annie	Female	1999-06-10	annie@gmail.com	3	100	91
1559	Ashish	Male	1997-06-19	ashish@gmail.com	2	101	81

7.Select the count of male and female Students(use if case statement)
Sample output

Total_Male	Total_Female
10	10

```
select
    count(case when Student_Gender='Male' then 1 end) as Total_Male,
    count(case when  Student_Gender='Female' then 1 end) as Total_Female
from tblstudent;
```

Total_Male	Total_Female
2	4