

## COMPARCORG: Practicing SQL 2

DATA1				
ID	Name	Age	Sex	Date
1	RALPH ALEXANDER	24	MALE	09/20/2023
2	JUSTIN LUIS BITUIN	23	MALE	09/15/2023
3	KELLY PENELOPE DE GUZMAN	22	FEMALE	10/23/2023
4	CHRISTIAN DAVID CRUZ	21	MALE	08/10/2023
5	KIMBERLY KRIS MANUEL	20	FEMALE	10/20/2023

DATA2			
StuNum	Name	Course	Major
20001	JUSTIN LUIS BITUIN	Engineering	CPE
20002	CHRISTIAN DAVID CRUZ	Engineering	EE
20003	RALPH ALEXANDER	Engineering	IE
20004	KIMBERLY KRIS MANUEL	Engineering	ICEP
20005	KELLY PENELOPE DE GUZMAN	Engineering	ME

1. create a sql query for this to table.

```
CREATE TABLE DATA1 (
    ID INT PRIMARY KEY,
    Name VARCHAR(255) NOT NULL,
    Age INT,
    Sex VARCHAR(10),
    Date DATE
);
```

```
CREATE TABLE DATA2 (
    StuNum INT PRIMARY KEY,
    Name VARCHAR(255) NOT NULL,
```

```
Course VARCHAR(255),  
Major VARCHAR(255)  
);  
  
INSERT INTO DATA1 (ID, Name, Age, Sex, Date)  
VALUES  
  
    (1, 'RALPH ALEXANDER', 24, 'MALE', '09/20/2023'),  
    (2, 'JUSTIN LUIS BITUIN', 23, 'MALE', '09/15/2023'),  
    (3, 'KELLY PENELOPE DE GUZMAN', 22, 'FEMALE', '10/23/2023'),  
    (4, 'CHRISTIAN DAVID CRUZ', 21, 'MALE', '08/10/2023'),  
    (5, 'KIMBERLY KRIS MANUEL', 20, 'FEMALE', '10/20/2023');
```

```
INSERT INTO DATA2 (StuNum, Name, Course, Major)  
VALUES  
  
    (20001, 'JUSTIN LUIS BITUIN', 'Engineering', 'CPE'),  
    (20002, 'CHRISTIAN DAVID CRUZ', 'Engineering', 'EE'),  
    (20003, 'RALPH ALEXANDER', 'Engineering', 'IE'),  
    (20004, 'KIMBERLY KRIS MANUEL', 'Engineering', 'ICEP'),  
    (20005, 'KELLY PENELOPE DE GUZMAN', 'Engineering', 'ME');
```

2. What is the right query to show Column NAME AGE SEX on data 1?

```
SELECT Name, Age, Sex  
  
FROM DATA1;
```

3. What is the right query to show Column StuNum Major on data 2?

```
SELECT StuNum, Major  
  
FROM DATA2;
```

4. What is the right query that would change the value AGE of data1 into this?

```
UPDATE DATA1 SET Age = 20 WHERE ID = 1;  
  
UPDATE DATA1 SET Age = 21 WHERE ID = 2;  
  
UPDATE DATA1 SET Age = 22 WHERE ID = 3;  
  
UPDATE DATA1 SET Age = 23 WHERE ID = 4;  
  
UPDATE DATA1 SET Age = 24 WHERE ID = 5;
```

5. How can you Show the two tables at the same time?

```
SELECT * FROM DATA1;  
  
SELECT * FROM DATA2;
```

6. What is the right query to show this?

```
SELECT D2.StuNum, D1.Age  
  
FROM DATA2 D2  
  
JOIN DATA1 D1 ON D2.Name = D1.Name;
```

7. Use a Distinct statement on SEX in Data1.

```
SELECT DISTINCT Sex  
  
FROM DATA1;
```

8. What is the right query that would Show Table data1 that is arranged by AGE?

```
SELECT *  
  
FROM DATA1  
  
ORDER BY Age;
```

9. What is the right query that would Show Table data1 that is arranged NAME by Alphabetical order?

```
SELECT *
```

```
FROM DATA1
```

```
ORDER BY Name;
```