

Assignmnet- 11

Object: Write SQL queries for extracting data from more than one table using Joins (Inner join and outer joins)

--- creating tables----

```
create table student(  
id int(11), first_name varchar(12), last_name varchar(12), age int(11)  
);
```

```
insert into student(id, first_name, last_name, age)values(1, "hitesh",  
"ankodia", 19);
```

```
insert into student(id, first_name, last_name, age)values(2, "vijay",  
"suman", 21);
```

```
insert into student(id, first_name, last_name, age)values(3, "udhav",  
"vijay", 20);
```

```
insert into student(id, first_name, last_name, age)values(4, "harsh",  
"sharma", 19);
```

```
insert into student(id, first_name, last_name, age)values(5, "rahul",  
"gupta", 20);
```

```
create table class(  
id int(2), branch varchar(12), collage_name varchar(21), roll_no  
int(21)  
);
```

```
insert into class(id, branch, collage_name, roll_no)values(2, "CSE",  
"CPU", 11);
```

```
insert into class(id, branch, collage_name, roll_no)values(1, "CSE",  
"MIT", 12);
```

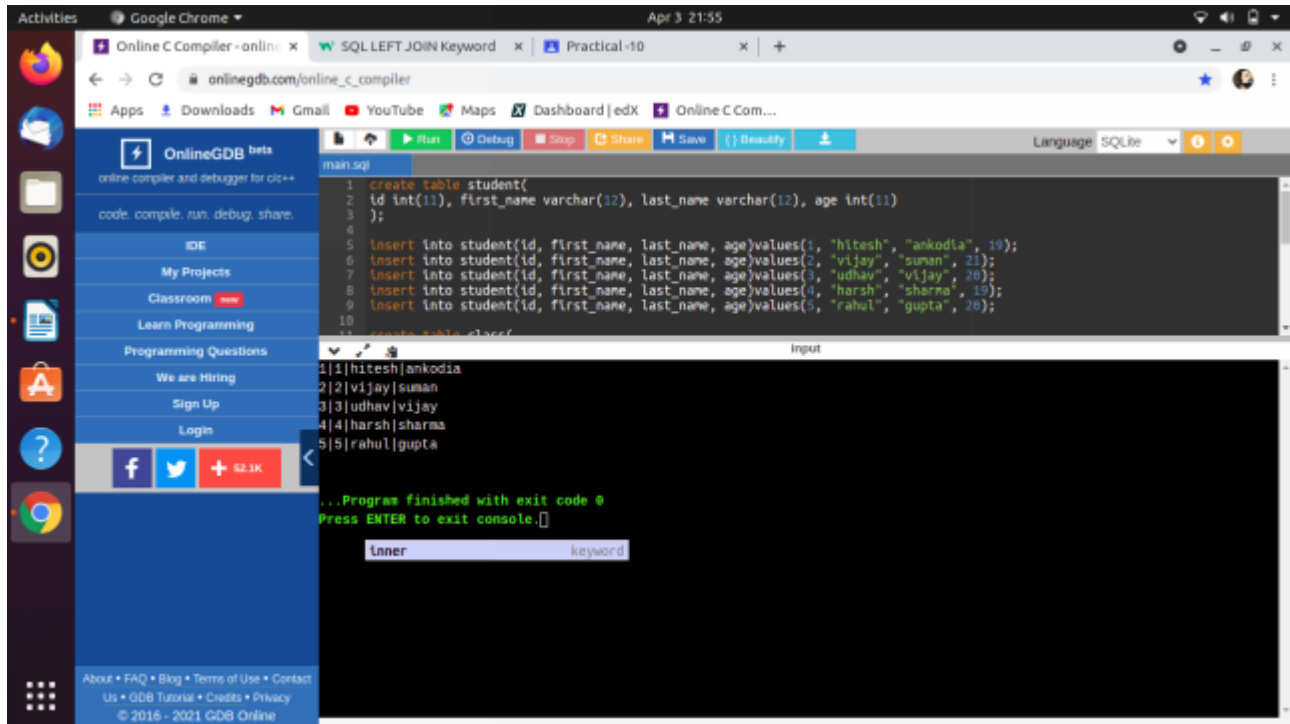
```
insert into class(id, branch, collage_name, roll_no)values(3,  
"MECHANICAL", "CPU", 13);
```

```
insert into class(id, branch, collage_name, roll_no)values(4, "CIVIL",  
"GURUKUL", 14);
```

```
insert into class(id, branch, collage_name, roll_no)values(5,  
"robotics", "CPU", 15);
```

-----INNER JOIN-----

```
select student.id, student.first_name, student.last_name, class.id
from student
INNER JOIN
class
ON student.id =class.id;
```



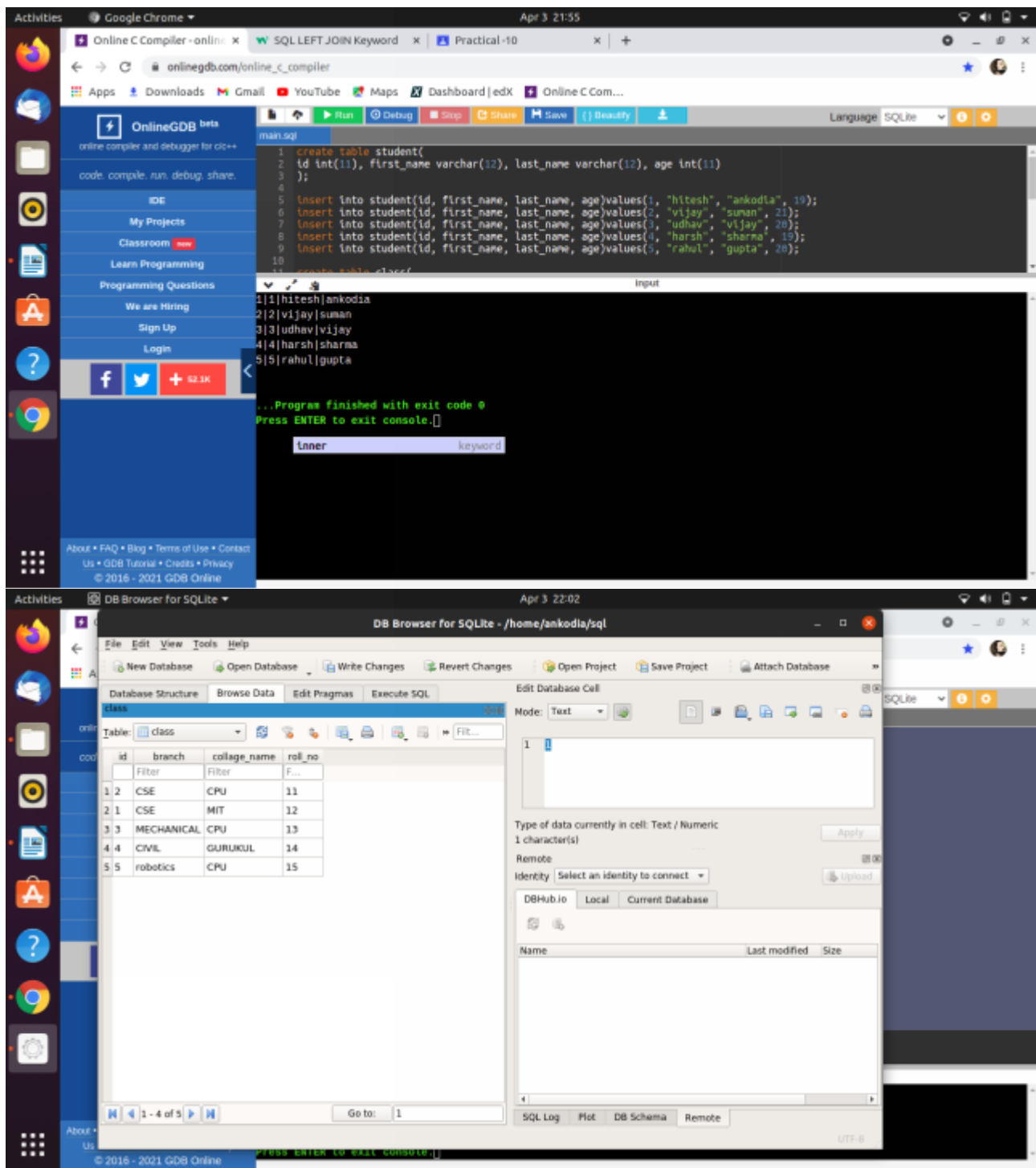
outer join -----

```
SELECT student.id, class.id, student.first_name, student.last_name
FROM student
INNER JOIN class ON student.id = class.id
ORDER BY student.id;
```

----- RIGHT JOIN-----

```
SELECT student.id, class.id, student.first_name, student.last_name
FROM student
right JOIN class ON student.id = class.id
ORDER BY student.id;
```

----- FULL OUTER JOIN-----



SELECT student.id, class.id, student.first_name, student.last_name
 FROM student
 FULL outer JOIN class ON student.id = class.id
 ORDER BY student.id;

