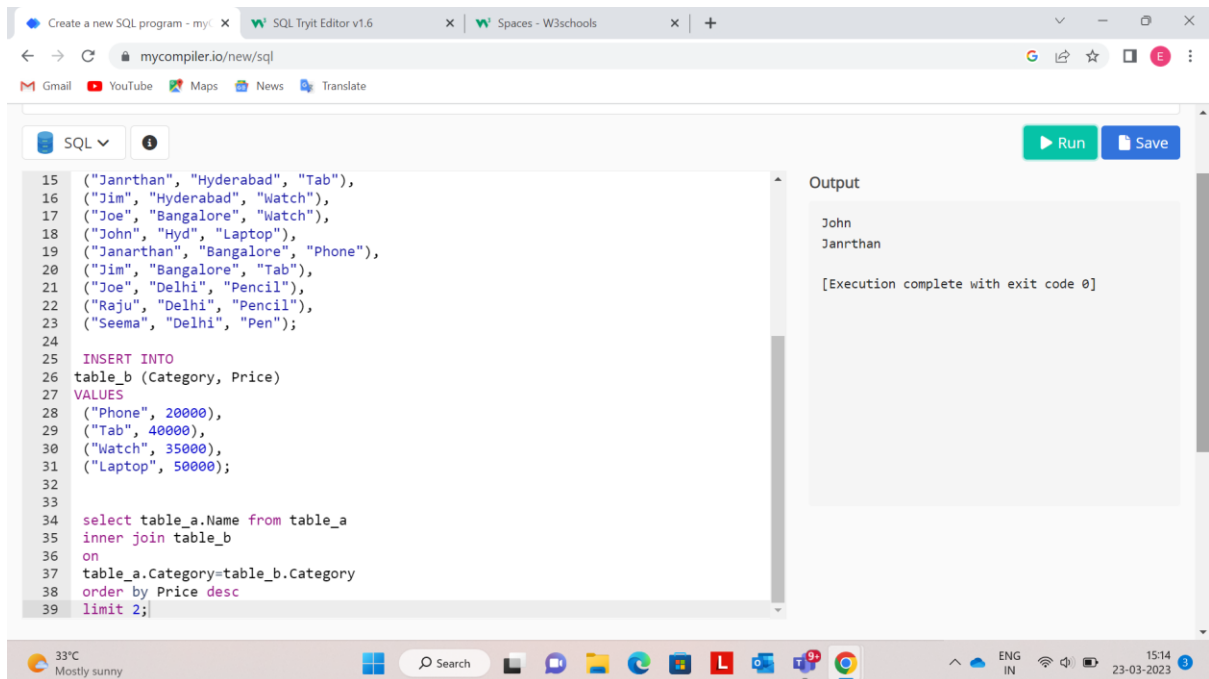


# SQL 101 Assignment

## Question-1

```
select table_a.Name from table_a  
inner join table_b  
on  
table_a.Category=table_b.Category  
order by Price desc  
limit 2;
```



The screenshot shows a web browser window with the URL `mycompiler.io/new/sql`. The browser has several tabs open, including "Create a new SQL program - my...", "SQL Tryit Editor v1.6", and "Spaces - W3schools". The SQL editor interface includes a "Run" button and a "Save" button. The SQL code in the editor is as follows:

```
15 ("Janrthan", "Hyderabad", "Tab"),  
16 ("Jim", "Hyderabad", "Watch"),  
17 ("Joe", "Bangalore", "Watch"),  
18 ("John", "Hyd", "Laptop"),  
19 ("Janarthan", "Bangalore", "Phone"),  
20 ("Jim", "Bangalore", "Tab"),  
21 ("Joe", "Delhi", "Pencil"),  
22 ("Raju", "Delhi", "Pencil"),  
23 ("Seema", "Delhi", "Pen");  
24  
25 INSERT INTO  
26 table_b (Category, Price)  
27 VALUES  
28 ("Phone", 20000),  
29 ("Tab", 40000),  
30 ("Watch", 35000),  
31 ("Laptop", 50000);  
32  
33  
34 select table_a.Name from table_a  
35 inner join table_b  
36 on  
37 table_a.Category=table_b.Category  
38 order by Price desc  
39 limit 2;
```

The output window on the right shows the results of the query:

```
Output  
  
John  
Janrthan  
  
[Execution complete with exit code 0]
```

The bottom of the screenshot shows a Windows taskbar with the date and time as 15:14 on 23-03-2023.

## Question-2

```
select distinct(table_a.Category) from table_a  
left join table_b  
on  
table_a.Category=table_b.Category  
where Price isnull;
```

The screenshot shows a web browser window with the URL `mycompiler.io/new/sql`. The editor contains the following SQL code:

```
16 ("Jim", "Hyderabad", "Watch"),
17 ("Joe", "Bangalore", "Watch"),
18 ("John", "Hyd", "Laptop"),
19 ("Janarthan", "Bangalore", "Phone"),
20 ("Jim", "Bangalore", "Tab"),
21 ("Joe", "Delhi", "Pencil"),
22 ("Raju", "Delhi", "Pencil"),
23 ("Seema", "Delhi", "Pen");
24
25 INSERT INTO
26 table_b (Category, Price)
27 VALUES
28 ("Phone", 20000),
29 ("Tab", 40000),
30 ("Watch", 35000),
31 ("Laptop", 50000);
32
33
34
35
36 select distinct(table_a.Category) from table_a
37 left join table_b
38 on
39 table_a.Category=table_b.Category
40 where Price isnull;
```

The output on the right shows:

```
Pencil
Pen

[Execution complete with exit code 0]
```

### Question-3

```
select table_a.City from table_a
left join table_b
on
table_a.Category=table_b.Category
group by City
order by sum(Price) desc
```

The screenshot shows the same web browser window with the URL `mycompiler.io/new/sql`. The editor contains the following SQL code:

```
19 ("Janarthan", "Bangalore", "Phone"),
20 ("Jim", "Bangalore", "Tab"),
21 ("Joe", "Delhi", "Pencil"),
22 ("Raju", "Delhi", "Pencil"),
23 ("Seema", "Delhi", "Pen");
24
25 INSERT INTO
26 table_b (Category, Price)
27 VALUES
28 ("Phone", 20000),
29 ("Tab", 40000),
30 ("Watch", 35000),
31 ("Laptop", 50000);
32
33
34
35
36 select table_a.City from table_a
37 left join table_b
38 on
39 table_a.Category=table_b.Category
40 group by City
41 order by sum(Price) desc
42
43
```

The output on the right shows:

```
Hyderabad
Bangalore
Hyd
Delhi

[Execution complete with exit code 0]
```

