

SQL Assignment

1. To list candidates which possess all required skills - DS , Tabaleau , Python , SQL

Answer -

Creating a table named technology with required columns

```
create table technology
(
  id int,
  technology_name varchar(50)
);
```

Inserting values into technology table

```
insert into technology values
(1,"DS"),
(1,"Tabaleau"),
(1,"SQL"),
(2,"R"),
(2,"Power BI"),
(1,"Python");
```

SQL Query - To list candidates which possess all required skills - DS , Tabaleau , Python , SQL

Performing this operation using “in” operator.

```
select * from technology where technology_name in ("DS" , "Tabaleau" , "Python" , "SQL");
```

Output -

As id 1 possess all required skills - **DS , Tabaleau , Python , SQL**

the output is shown below .

Result Grid			Filter Rows:
	id	technology_name	
▶	1	DS	
	1	Tabaleau	
	1	SQL	
	1	Python	

2. To list candidate which possess all required skills - DS , Tabaleau , Python , SQL

SQL Query -

```

SELECT id
FROM technology
WHERE technology_name = 'DS'
AND id IN (
    SELECT id
    FROM technology
    WHERE technology_name = 'Tabaleau'
AND id IN (
    SELECT id
    FROM technology
    WHERE technology_name = 'Python'
AND id IN (
    SELECT id
    FROM technology
    WHERE technology_name = 'SQL'

```

```
)  
)  
);
```

Output -

Result Grid		Filter Row
	id	
▶	1	

3.To find out the prod id which has no likes .

Answer -

Creating a product_info table

```
create table product_info  
(  
    product_id int,  
    product_name varchar(50)  
);
```

Inserting values into product_info table

```
insert into product_info values  
(1001,"Blog"),  
(1002,"Youtube"),  
(1003,"Education");
```

Creating a product_info_likes table

```
create table product_info_likes  
(  
    user_id int,  
    product_id int,  
    liked_date date  
);
```

Inserting values into product_info_likes info table

```
insert into product_info_likes values  
(1,1001,"2023-08-19"),  
(2,1003,"2023-01-18");
```

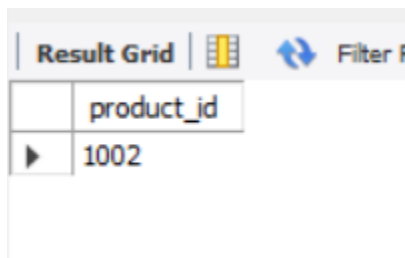
SQL Query -

Performing this sql query using left join operation

```
select prinfo.product_id from product_info as prinfo left join product_info_likes as prlikes on  
prinfo.product_id=prlikes.product_id where prlikes.liked_date is null;
```

Output -

As product id 1002 has no likes in product_info_likes table the output is as shown below.



The screenshot shows a database interface with a 'Result Grid' tab. The grid contains one column labeled 'product_id' and one row with the value '1002'. There are icons for 'Filter' and 'Refresh' at the top right of the grid.

product_id
1002

