

Name: Saravanakumar K  
Date: 20.11.2024

Department: Impact Training  
Task: PL/SQL

**Create a stored procedure that takes a product ID as an input parameter and returns the details of the product.**

```
DELIMITER $$
```

```
Create Procedure GetProductDetail(IN product_id_ INT)
```

```
BEGIN
```

```
Select Product_id, Product_name, Quantity, Price
```

```
from Product_details
```

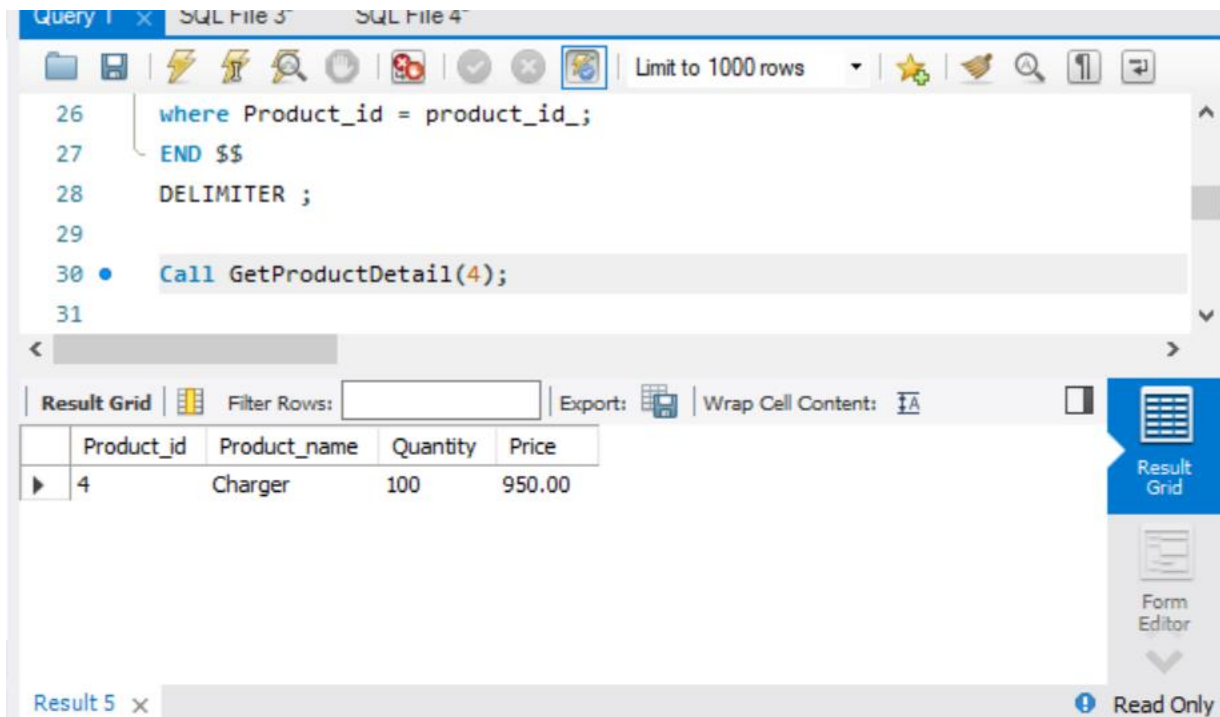
```
where Product_id = product_id_;
```

```
END $$
```

```
DELIMITER ;
```

```
Call GetProductDetail(4);
```

**OUTPUT:**



The screenshot shows a SQL IDE interface with a query editor and a results grid. The query editor contains the following SQL code:

```
26 where Product_id = product_id_;  
27 END $$  
28 DELIMITER ;  
29  
30 Call GetProductDetail(4);  
31
```

The results grid displays the output of the query, showing a single row with the following details:

Product_id	Product_name	Quantity	Price
4	Charger	100	950.00

The interface also includes a toolbar with various icons, a filter row input, and buttons for exporting, wrapping cell content, and viewing the result grid. The status bar at the bottom indicates "Result 5" and "Read Only".

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**Create a function that takes price as an Argument and return the details of the products where price > Argument.**

```
DELIMITER $$
```

```
CREATE FUNCTION get_details()
```

```
returns varchar(255)
```

```
deterministic
```

```
begin
```

```
declare product_list varchar(255);
```

```
select group_concat(Product_name separator',') into product_list
```

```
from Product_details
```

```
where Price >1000;
```

```
return product_list;
```

```
END $$
```

```
DELIMITER ;
```

```
select get_details();
```

**OUTPUT:**

The screenshot shows a SQL IDE interface with a query editor and a result grid. The query editor contains the following SQL code:

```
53 where Price >1000;  
54 return product_list;  
55 END $$  
56 DELIMITER ;  
57 • select get_details();  
58
```

The result grid shows the output of the function call:

get_details()
Laptop,Mobile,iPhone,AC,Power Bank

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### Return the entire Table with Stored procedure.

DELIMITER \$\$

Create Procedure GetEntireTable()

Begin

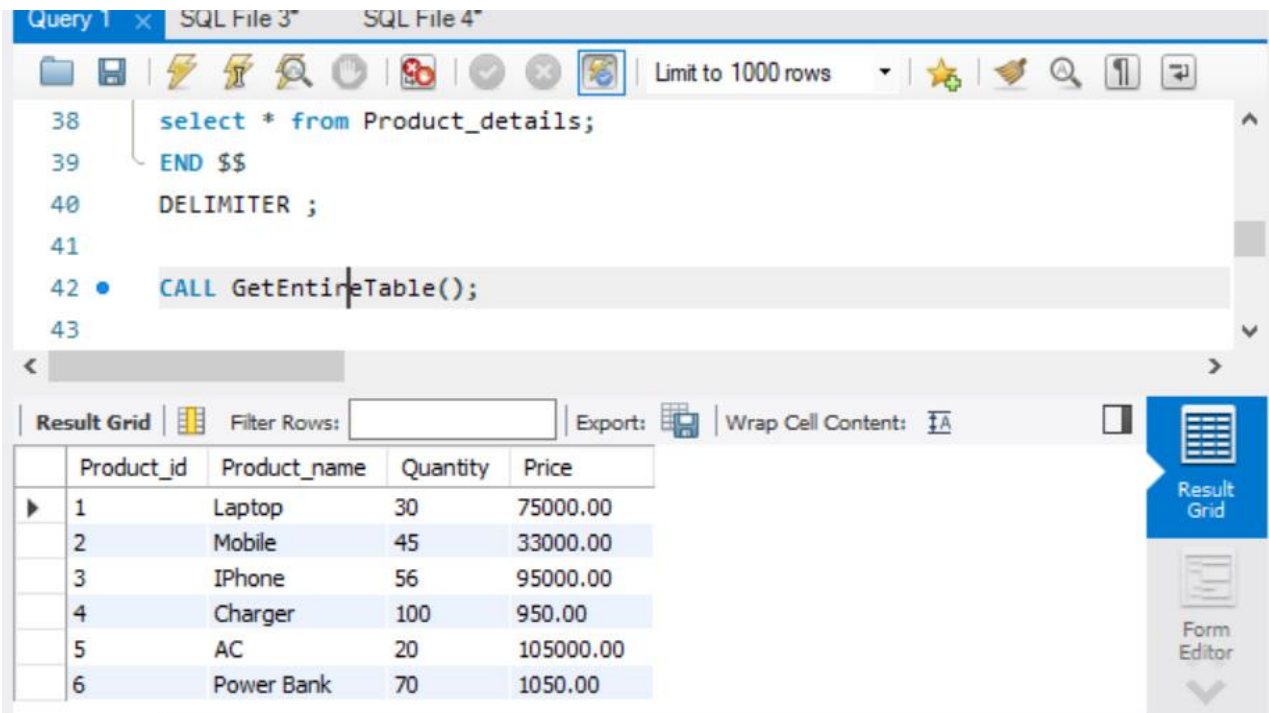
select \* from Product\_details;

END \$\$

DELIMITER ;

CALL GetEntireTable();

### OUTPUT:



The screenshot displays the SQL Developer interface. The top toolbar includes icons for file operations, execution, and settings. The main text area shows the following SQL code:

```
38 select * from Product_details;
39 END $$
40 DELIMITER ;
41
42 CALL GetEntireTable();
43
```

Below the code editor, the 'Result Grid' tab is active, showing the output of the query. The result is a table with 6 rows and 5 columns: Product\_id, Product\_name, Quantity, and Price. The data is as follows:

	Product_id	Product_name	Quantity	Price
▶	1	Laptop	30	75000.00
	2	Mobile	45	33000.00
	3	IPhone	56	95000.00
	4	Charger	100	950.00
	5	AC	20	105000.00
	6	Power Bank	70	1050.00

On the right side of the interface, there are buttons for 'Result Grid' and 'Form Editor'.