

Q.20 From the following table, write a SQL query to select a range of products whose price is in the range Rs.200 to Rs.600. Begin and end

values are included. Return pro_id, pro_name, pro_price, and pro_com

===== Create table: item_mast =====

```
CREATE TABLE item_mast(  
    Pro_id INT PRIMARY KEY,  
    Pro_Name VARCHAR(20) NOT NULL,  
    Pro_Price REAL NOT NULL,  
    Pro_Code INT NOT NULL  
)
```

===== Insert Data: item_mast =====

```
INSERT INTO item_mast VALUES  
(101,'Mother Board', 3200.00, 15),  
(102,'Key Board', 450.00, 16),  
(103,'ZIP drive', 250.00, 14),  
(104,'Speaker', 550.00, 16),  
(105,'Monitor', 5000.00, 11),  
(106,'DVD drive', 900.00, 12),  
(107,'CD drive', 800.00, 12),  
(108,'Printer', 2600.00, 13),  
(109,'Refill cartridge', 350.00, 13),  
(110,'Mouse', 250.00, 12)
```

Extra options					Pro_id	Pro_Name	Pro_Price	Pro_Code
<input type="checkbox"/>					101	Mother Board	3200	15
<input type="checkbox"/>					102	Key Board	450	16
<input type="checkbox"/>					103	ZIP drive	250	14
<input type="checkbox"/>					104	Speaker	550	16
<input type="checkbox"/>					105	Monitor	5000	11
<input type="checkbox"/>					106	DVD drive	900	12
<input type="checkbox"/>					107	CD drive	800	12
<input type="checkbox"/>					108	Printer	2600	13
<input type="checkbox"/>					109	Refill cartridge	350	13
<input type="checkbox"/>					110	Mouse	250	12

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Q.20 write a SQL query to select a range of products whose price is in the range Rs.200 to Rs.600. Begin and end values are included. Return pro_id, pro_name, pro_price, and pro_com.

SQL Query

```
SELECT Pro_id, Pro_Name, Pro_Price, Pro_Code FROM item_mast WHERE Pro_Price BETWEEN 200.00 AND 600.00
```

✓ Showing rows 0 - 4 (5 total, Query took 0.0005 seconds.)

`SELECT Pro_id, Pro_Name, Pro_Price, Pro_Code FROM item_mast WHERE Pro_Price BETWEEN`

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☐ Show all | Number of rows: 25 ▼ Filter rows: Sort

Extra options

				Pro_id	Pro_Name	Pro_Price	Pro_Code
<input type="checkbox"/>		Edit		Copy		Delete	102 Key Board 450 16
<input type="checkbox"/>		Edit		Copy		Delete	103 ZIP drive 250 14
<input type="checkbox"/>		Edit		Copy		Delete	104 Speaker 550 16
<input type="checkbox"/>		Edit		Copy		Delete	109 Refill cartridge 350 13
<input type="checkbox"/>		Edit		Copy		Delete	110 Mouse 250 12

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=====

Q.21 From the following table, write a SQL query to calculate the average price for a manufacturer code of 16. Return avg.

SQL Query

`SELECT AVG(Pro_Price) FROM item_mast WHERE Pro_Code=16`

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit

✓ Showing rows 0 - 0 (1 total, Query took 0.0006 seconds.)

```
SELECT AVG(Pro_Price) FROM item_mast WHERE Pro_Code=16;
```

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☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

AVG(Pro_Price)

500

=====

Q.22 From the following table, write a SQL query to display the pro_name as 'Item Name' and pro_price as 'Price in Rs.'.

SQL Query

```
SELECT Pro_Name AS Item_Name, Pro_Price AS Price_in_Rs FROM item_mast
```

✓ Showing rows 0 - 9 (10 total, Query took 0.0005 seconds.)

```
SELECT Pro_Name AS Item_Name, Pro_Price AS Price_in_Rs FROM item_mast;
```

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☐ Show all | Number of rows: Filter rows:

Extra options

				Item_Name	Price_in_Rs
<input type="checkbox"/>				Mother Board	3200
<input type="checkbox"/>				Key Board	450
<input type="checkbox"/>				ZIP drive	250
<input type="checkbox"/>				Speaker	550
<input type="checkbox"/>				Monitor	5000
<input type="checkbox"/>				DVD drive	900
<input type="checkbox"/>				CD drive	800
<input type="checkbox"/>				Printer	2600
<input type="checkbox"/>				Refill cartridge	350
<input type="checkbox"/>				Mouse	250

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Q.23 From the following table, write a SQL query to find the items whose prices are higher than or equal to \$250. Order the result by product price in descending, then product name in ascending. Return pro_name and pro_price.

SQL Query

```
SELECT Pro_Name, Pro_Price FROM item_mast WHERE Pro_Price >= 250 ORDER BY Pro_Price DESC;
```

```
SELECT Pro_Name, Pro_Price FROM item_mast WHERE Pro_Price >= 250 ORDER BY Pro_Name;
```
































✓ Showing rows 0 - 9 (10 total, Query took 0.0006 seconds.) [Pro_Price: 5000... - 25

SELECT Pro_Name, Pro_Price FROM item_mast WHERE Pro_Price>=250 ORDER

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☐ Show all | Number of rows: 25 ▼ Filter rows:

Extra options

				Pro_Name	Pro_Price	▼ 1
<input type="checkbox"/>	 Edit	 Copy	 Delete	Monitor		5000
<input type="checkbox"/>	 Edit	 Copy	 Delete	Mother Board		3200
<input type="checkbox"/>	 Edit	 Copy	 Delete	Printer		2600
<input type="checkbox"/>	 Edit	 Copy	 Delete	DVD drive		900
<input type="checkbox"/>	 Edit	 Copy	 Delete	CD drive		800
<input type="checkbox"/>	 Edit	 Copy	 Delete	Speaker		550
<input type="checkbox"/>	 Edit	 Copy	 Delete	Key Board		450
<input type="checkbox"/>	 Edit	 Copy	 Delete	Refill cartridge		350
<input type="checkbox"/>	 Edit	 Copy	 Delete	ZIP drive		250
<input type="checkbox"/>	 Edit	 Copy	 Delete	Mouse		250































✓ Showing rows 0 - 9 (10 total, Query took 0.0006 seconds.) [Pro_Name: CD DRIVE... - ZIP DRIVE...]

SELECT Pro_Name, Pro_Price FROM item_mast WHERE Pro_Price>=250 ORDER BY Pro_Name;

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 Filter rows: Search this table Sort by

Extra options

				Pro_Name	Pro_Price
<input type="checkbox"/>				CD drive	800
<input type="checkbox"/>				DVD drive	900
<input type="checkbox"/>				Key Board	450
<input type="checkbox"/>				Monitor	5000
<input type="checkbox"/>				Mother Board	3200
<input type="checkbox"/>				Mouse	250
<input type="checkbox"/>				Printer	2600
<input type="checkbox"/>				Refill cartridge	350
<input type="checkbox"/>				Speaker	550
<input type="checkbox"/>				ZIP drive	250

=====

Q.24 From the following table, write a SQL query to calculate average price of the items for each company. Return average price and company code.

SQL Query

```
SELECT AVG(Pro_Price), Pro_Code FROM item_mast GROUP BY Pro_Code;
```



















✓ Showing rows 0 - 5 (6 total, Query took 0.0123 seconds.)

```
SELECT AVG(Pro_Price), Pro_Code FROM item_mast GROUP BY Pro_Code;
```

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☐ Show all | Number of rows: 25 Filter rows:

Extra options

<div><div><div><div></div><div></div><div></div></div><div></div></div></div>					AVG(Pro_Price)	Pro_Code
<input type="checkbox"/>	 Edit	 Copy	 Delete		5000	11
<input type="checkbox"/>	 Edit	 Copy	 Delete		650	12
<input type="checkbox"/>	 Edit	 Copy	 Delete		1475	13
<input type="checkbox"/>	 Edit	 Copy	 Delete		250	14
<input type="checkbox"/>	 Edit	 Copy	 Delete		3200	15
<input type="checkbox"/>	 Edit	 Copy	 Delete		500	16

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