Module – 5 – ASSESSMENT

Q.1 The product table contains attributes like product id, product name, price and product code.

```
create database assess;

use assess;

create table product
(PRO_ID integer primary key,
PRO_NAME varchar(20),
PRO_PRICE bigint,
PRO_COM integer);

insert into product(PRO_ID,PRO_NAME,PRO_PRICE,PRO_COM)
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);

select*from product;
```

Result Grid | Filter Rows: | Edit:

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
101	Mother Board	3200	15
102	Key Board	450	16
103	ZIP drive	250	14
104	Speaker	550	16
105	Monitor	5000	11
106	DVD drive	900	12
107	CD drive	800	12
108	Printer	2600	13
109	Refill cartridge	350	13
110	Mouse	250	12
NULL	NULL	NULL	NULL

Q.2 Write sql query to find the items whose prices are higher than or equal 250rs.Order the result by product price in descending, then product name in ascending. Return pro_name and pro_price .

```
1 •   select *from product where PRO_PRICE > 250;
2
```

sult Grid | Filter Rows: | Edit:

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
101	Mother Board	3200	15
102	Key Board	450	16
104	Speaker	550	16
105	Monitor	5000	11
106	DVD drive	900	12
107	CD drive	800	12
108	Printer	2600	13
109	Refill cartridge	350	13
NULL	NULL	NULL	NULL

```
25 •   select * from product order by PRO_NAME asc;
26
```

Result Grid | Filter Rows: | Edit: | Export/Import:

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
107	CD drive	800	12
106	DVD drive	900	12
102	Key Board	450	16
105	Monitor	5000	11
101	Mother Board	3200	15
110	Mouse	250	12
108	Printer	2600	13
109	Refill cartridge	350	13
104	Speaker	550	16
103	ZIP drive	250	14
NULL	NULL	NULL	NULL

```
23 •  select *from product order by PRO_PRICE desc;
```

Result Grid | Filter Rows: | Edit: | Export/Import:

PRO_ID	PRO_NAME	PRO_PRICE	PRO_COM
105	Monitor	5000	11
101	Mother Board	3200	15
108	Printer	2600	13
106	DVD drive	900	12
107	CD drive	800	12
104	Speaker	550	16
102	Key Board	450	16
109	Refill cartridge	350	13
103	ZIP drive	250	14
110	Mouse	250	12
NULL	NULL	NULL	NULL

Q.3Write a sql query to find the cheapest item. Return pro_name and pro_price.

```
25 •  select PRO_NAME, PRO_PRICE
26    from product
27    where PRO_PRICE = (select min(PRO_PRICE) from product);
28
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

PRO_NAME	PRO_PRICE
ZIP drive	250
Mouse	250

Q.4 Write the sql query to calculate the average price of the items for each company. Return average price and company code.

```
29 •    select PRO_COM, avg(PRO_PRICE) as AVERAGE_PRICE
30      from product
31      group by PRO_COM;
```

Result Grid | Filter Rows: | Export:

PRO_COM	AVERAGE_PRICE
15	3200.0000
16	500.0000
14	250.0000
11	5000.0000
12	650.0000
13	1475.0000

Q.5 Write the sql query to find the average total for all the product mention in the table.

```
33 •    select avg(PRO_PRICE) as average_total
34      from product;
35
```

Result Grid | Filter Rows: | Export:

average_total
1435.0000
