```sql
create database project;
show databases;
use project;
show tables;

    select * from sql_project sp ;

# 1. WRITE a sql query to show all Item_Identifier

    select sp.Item_Identifier
    from sql_project sp;

# 2. WRITE a sql query to show count of total
Item_Identifier

    select count(sp.Item_Identifier) as
Total_Item_Identifier from sql_project sp

# 3. WRITE a sql query to show maximum Item Weight

    select max(sp.Item_Weight) as
Maximum_Item_Weight from sql_project sp;

# 4. WRITE a query to show minimun Item Weight

    select min(sp.Item_Weight) as
Minimum_Item_Weight from sql_project sp;

# 5. WRITE a query to show average Item_Weight

    select avg(sp.Item_Weight)  from sql_project
sp;

# 6. WRITE a query to show count OF
Item_Fat_Content WHERE
#     Item_Fat_Content IS Low Fat
```

```sql
    select
count(sp.Item_Fat_Content),sp.Item_Fat_Content
from sql_project sp
    where sp.Item_Fat_Content = 'Low Fat' ;
```

7. WRITE a query to show count OF Item_Fat_Content WHERE
Item_Fat_Content IS Regular

```sql
    select
count(sp.Item_Fat_Content),sp.Item_Fat_Content
from sql_project sp
    where sp.Item_Fat_Content = 'Regular' ;
```

8. WRITE a query TO show maximum Item_MRP

```sql
    select max(sp.Item_MRP) as Maximum_Item_MRP
from sql_project sp;
```

9. WRITE a query TO show minimum Item_MRP

```sql
    select min(sp.Item_MRP) as Minimum_Item_MRP
from sql_project sp;
```

10.WRITE a query to show Item_Identifier , Item_Fat_Content,
Item_Type,Item_MRP and Item_MRP IS greater than 200

```sql
    select sp.Item_Identifier ,sp.Item_Fat_Content ,sp.Item_Type ,sp.Item_MRP
    from sql_project sp
    where sp.Item_MRP > 200;
```

11.WRITE a query to show maximum Item_MRP WHERE
Item_Fat_Content IS Low Fat

```sql
    select max(sp.Item_MRP) as
Maximum_Item_MRP,sp.Item_Fat_Content
    from sql_project sp
    where sp.Item_Fat_Content = 'Low Fat' ;


# 12.WRITE a query to show minimum Item_MRp AND
Item_Fat_Content IS
#    Low Fat

    select min(sp.Item_MRP) as
Minimum_Item_MRP,sp.Item_Fat_Content
    from sql_project sp
    where sp.Item_Fat_Content = 'Low Fat' ;


# 13.WRITE a query to show ALL DATA WHERE item MRP
IS BETWEEN 50 TO 100

    select * from sql_project sp
    where sp.Item_MRP between 50 and 100;


# 14.WRITE a query to show ALL UNIQUE value
Item_Fat_Content

    select distinct sp.Item_Fat_Content
    from sql_project sp ;


# 15.WRITE a query to show ALL UNIQUE value
Item_Type

    select distinct sp.Item_Type
    from sql_project sp ;


# 16.WRITE a query to show ALL DATA IN descending
ORDER BY Item MRP

    select * from sql_project sp
    order by sp.Item_MRP desc;
```

```sql
# 17.WRITE a query to show ALL DATA IN ascending
ORDER BY
#    Item_Outlet_Sales

    select *
    from sql_project sp
    order by sp.Item_Outlet_Sales ;

# 18.WRITE a query to show ALL DATA IN ascending BY
Item_Type

    select *
    from sql_project sp
    order by sp.Item_Type asc;

# 19.WRITE a query to show DATA OF item_type dairy
& Meat

    select * from sql_project sp
    where sp.Item_Type in ('Dairy','Meat');

# 20.WRITE a query to show ALL UNIQUE value OF
Outlet_Size

    select distinct  sp.Outlet_Size
    from sql_project sp ;

# 21.WRITE a query to show ALL UNIQUE value OF
Outlet_Location_Type

    select distinct sp.outlet_location_type
    from sql_project sp ;

# 22.WRITE a query to show ALL UNIQUE value OF
Outlet_Type
```

```sql
    select distinct  sp.Outlet_Type  from
sql_project sp;

# 23.WRITE a query to show count NO. OF item BY
Item_Type AND ordered
#     it IN descending

    select sp.Item_Type ,count(sp.Item_Type) as
No_Of_Item
    from sql_project sp
    group by sp.Item_Type
    order by sp.Item_Type;

# 24.WRITE a query to show count NO. OF item BY
Outlet_Size AND
#     ordered it IN ascending

    select sp.Outlet_Size ,count(sp.Outlet_Size)
    from sql_project sp
    group by sp.Outlet_Size
    order by sp.Outlet_Size asc;

# 25.WRITE a query to show count NO. OF item BY
Outlet_Establishment_Year AND ordered it IN
ascening

    select sp.Outlet_Establishment_Year
,count(sp.Item_Identifier) as No_Of_Item
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by sp.Item_Identifier ;

# 26.WRITE a query to show count NO. OF item BY
Outlet_Type AND ordered it IN descending

    select sp.Outlet_Type
,count(sp.Item_Identifier) as No_Of_Item
```

```sql
    from sql_project sp
    group by sp.Outlet_Type
    order by sp.Item_Identifier ;
```

27.WRITE a query to show count of item BY Outlet_Location_Type AND ordered it IN descending

```sql
    select sp.Outlet_Location_Type
,count(sp.Item_Identifier) as No_Of_Item
    from sql_project sp
    group by sp.Outlet_Location_Type
    order by sp.Item_Identifier desc ;
```

28.WRITE a query to show maximum MRP BY Item_Type

```sql
    select sp.Item_Type ,max(sp.Item_MRP)
    from sql_project sp
    group by sp.Item_Type ;
```

29.WRITE a query to show minimum MRP BY Item_Type

```sql
    select sp.Item_Type ,min(sp.Item_MRP)
    from sql_project sp
    group by sp.Item_Type ;
```

30.WRITE a query to show minimum MRP BY Outlet_Establishment_Year AND ordered it IN descending

```sql
    select sp.Outlet_Establishment_Year
,min(Item_MRP) as Minimum_MRP
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by sp.Item_MRP desc ;
```

31.WRITE a query to show maximum MRP BY Outlet_Establishment_Year AND ordered IN descending

```sql
    select sp.Outlet_Establishment_Year
,max(Item_MRP) as Maximum_MRP
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by sp.Item_MRP desc ;
```

32.WRITE a query to show average MRP BY Outlet_Size AND ordered IN descending

```sql
    select sp.Outlet_Size ,avg(Item_MRP) as
Average_MRP
    from sql_project sp
    group by sp.Outlet_Size
    order by average_MRP desc ;
```

33.WRITE a query to show average MRP BY Outlet_Size

```sql
    select sp.Outlet_Size , avg(Item_MRP)
    from sql_project sp
    group by sp.Outlet_Size ;
```

34.WRITE a query to show Average MRP BY Outlet_Type AND ordered IN ascending

```sql
    select sp.Outlet_Type , avg(sp.Item_MRP) as
Average_MRP
    from sql_project sp
    group by sp.Outlet_Type
    order by Average_MRP asc;
```

35.WRITE a query to show maximum MRP BY Outlet_Type

```sql
    select sp.Outlet_Type ,max(sp.Item_MRP) as
Maximum_MRP
```

```sql
    from sql_project sp
    group by sp.Outlet_Type ;

# 36.WRITE a query to show maximum Item_Weight BY
Item_Type

    select sp.Item_Type ,max(sp.Item_Weight)
    from sql_project sp
    group by sp.Item_Type ;

# 37.WRITE a query to show maximum Item_Weight BY
Outlet_Establishment_Year

    select sp.Outlet_Establishment_Year
,max(sp.Item_Weight) as Maximum_Item_weight
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by max(sp.Item_Weight) ;

# 38.WRITE a query to show minimum Item_Weight BY
Outlet_Type

    select sp.Outlet_Type ,min(sp.Item_Weight) as
Minimum_Item_Weight
    from sql_project sp
    group by sp.Outlet_Type
    order by min(sp.Item_Weight) desc ;

# 39.WRITE a query to show average Item_Weight BY
Outlet_Location_Type ORDER BY descending

    select sp.Outlet_Location_Type
,avg(sp.Item_Weight) as Average_Item_Weight
    from sql_project sp
    group by sp.Outlet_Location_Type
    order by avg(sp.Item_Weight) desc ;
```

```sql
# 40.WRITE a query to show maximum
Item_Outlet_Sales BY Item_Type

    select sp.Item_Type ,max(sp.Item_Outlet_Sales)
as Maximum_Item_Outlet_sales
    from sql_project sp
    group by sp.Item_Type ;

# 41.WRITE a query to show minimum
Item_Outlet_Sales BY Item_Type

    select sp.Item_Type ,min(sp.Item_Outlet_Sales)
as Minimum_Item_Outlet_sales
    from sql_project sp
    group by sp.Item_Type ;

# 42.WRITE a query to show minimum
Item_Outlet_Sales BY Outlet_Establishment_Year

    select sp.Outlet_Establishment_Year ,
min(sp.Item_Outlet_Sales) as
Minimum_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by minimum_item_outlet_sales desc ;

# 43.WRITE a query to show maximum
Item_Outlet_Sales BY Outlet_Establishment_Year
ordered BY descending

    select sp.Outlet_Establishment_Year ,
max(sp.Item_Outlet_Sales) as
Maximum_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Establishment_Year
    order by Maximum_item_outlet_sales desc ;
```

```sql
# 44.WRITE a query to show average
Item_Outlet_Sales BY Outlet_Size AND ORDER it itn
descending

    select sp.Outlet_Size , avg(Item_Outlet_Sales)
as Average_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Size
    order by average_item_outlet_sales desc;

# 45.WRITE a query to show average
Item_Outlet_Sales BY Outlet_Size

    select sp.Outlet_Size , avg(Item_Outlet_Sales)
as Average_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Size
    order by average_item_outlet_sales desc;

# 46.WRITE a query to show average
Item_Outlet_Sales BY Outlet_Type

    select sp.Outlet_Type , avg(Item_Outlet_Sales)
as Average_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Type
    order by average_item_outlet_sales desc;

# 47.WRITE a query to show maximum
Item_Outlet_Sales BY Outlet_Type

    select sp.Outlet_Type ,max(Item_Outlet_Sales)
as Maximum_Item_Outlet_sales
    from sql_project sp
    group by sp.Outlet_Type
    order by Maximum_item_outlet_sales desc;
```

```sql
# 48.WRITE a query TO  show total Item_Outlet_Sales
BY Outlet_Establishment_Year

    select sp.Outlet_Establishment_Year
,sum(Item_Outlet_Sales) as Total_outlet_sales
    from sql_project sp
    group by sp.Outlet_Establishment_Year  ;

# 49.WRITE a query to show total Item_Outlet_Sales
BY Item_Type

    select sp.Item_Type ,sum(Item_Outlet_Sales) as
Total_outlet_sales
    from sql_project sp
    group by sp.Item_Type ;

# 50.WRITE a query TO  show  total
Item_Outlet_Sales BY Outlet_Location_Type

    select sp.Outlet_Location_Type
,sum(Item_Outlet_Sales) as Total_outlet_sales
    from sql_project sp
    group by sp.Outlet_Location_Type  ;

# 51.WRITE a query to show total Item_Outlet_Sales
BY Item_Fat_Content

    select sp.Item_Fat_Content
,sum(Item_Outlet_Sales) as Total_outlet_sales
    from sql_project sp
    group by sp.Item_Fat_Content  ;

# 52.WRITE a query to show maximum Item_Visibility
BY Item_Type

    select sp.Item_Type ,max(sp.Item_Visibility) as
Maximum_Item_Visibility
```

```sql
    from sql_project sp
    group by sp.Item_Type;

# 53.WRITE a query to show Minimum Item_Visibility
BY Item_Type

    select sp.Item_Type ,min(sp.Item_Visibility) as
Minimum_Item_Visibility
    from sql_project sp
    group by sp.Item_Type;

# 54.WRITE a query to show total Item_Outlet_Sales
BY Item_Type but
#     ONLY WHERE Outlet_Location_Type IS Tier 1

    select sp.Item_Type ,sum(sp.Item_Outlet_Sales)
as Total_Item_outlet_sales
    from sql_project sp
    where Outlet_Location_Type = 'Tier 1'
    group by sp.Item_Type
    order by Total_item_outlet_sales desc;

# 55.WRITE a query to show total Item_Outlet_Sales
BY Item_Type WHERE
#     Item_Fat_Content IS ONLY Low Fat & LF

    select sp.Item_Type ,sum(sp.Item_Outlet_Sales)
as Total_Item_outlet_sales
    from sql_project sp
    where sp.Item_Fat_Content in ('Low Fat','LF')
    group by sp.Item_Type
    order by Total_item_outlet_sales desc;
```