Project Query

To perform query we need to use database

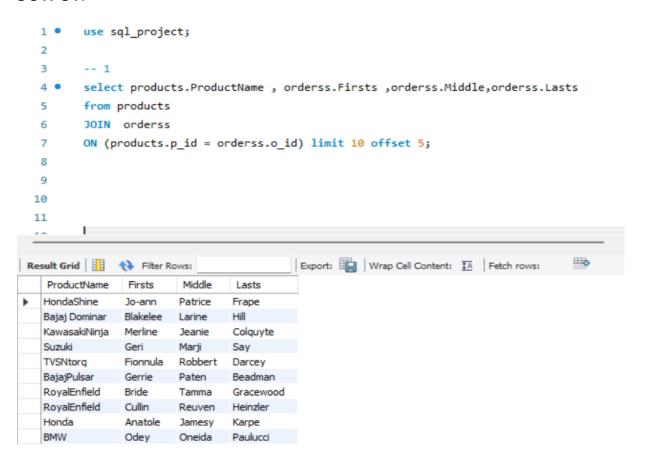
use sql_project;

1).select productname from products and frists ,middle & last name from orderss using joins?

select products. ProductName , orderss. Firsts , orderss. Middle, orderss. Lasts from products

JOIN orderss

ON (products.p_id = orderss.o_id) limit 10 offset 5;



2).select productlabel,date of inventory on hand from products and Number of product received from purchases table using joins?

select ProductLabel,InventoryOnHand,NumberReceived

from products

JOIN purchases

ON (products.p_id = purchases.pur_id) limit 10 offset 3;

```
13
 14 •
          select ProductLabel, InventoryOnHand, NumberReceived
          from products
 15
          JOIN purchases
 16
 17
          ON (products.p_id = purchases.pur_id) limit 10 offset 3;
 18
 19
 20
                                               Export: Wrap Cell Content: 🔼 Fetch rows:
Result Grid
              Filter Rows:
   ProductLabel
                             InventoryOnHand
                                              NumberReceived
  Honda SP-125
                            2013-11-05
                                              2
  TVS ApacheRTR-160
                            2017-08-06
   HondaShine HS-100
                            2016-09-14
  Bajaj Dominar D-400
                            2020-01-20
                                              10
   KawasakiNinja ZX-10r
                            2010-11-12
                                             9
  Suzuki GSX_R 1000
                            2022-07-25
   TVSNtorg N-125
                            2020-08-13
                                              1
  BajajPulsar P-200
                            2021-04-22
  RoyalEnfield Himalayan-350
                                              3
                            2008-01-17
   Continental-GT
                                              5
                            2010-10-08
```

3).select product label and inventory of date on hand fromm products table and also select Number received and Porduct id from purchases using join where productlabel name starts with "R" and Product id should be less than 15?

select ProductLabel,InventoryOnHand,NumberReceived,Product ID

from products

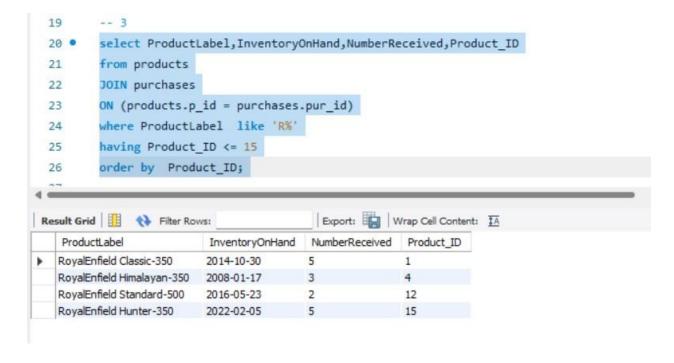
JOIN purchases

ON (products.p id = purchases.pur id)

where ProductLabel like 'R%'

having Product ID <= 15

order by Product ID;



4). Select product label from product and get average of number received from purchases?

select ProductLabel,avg(NumberReceived)

from products

JOIN purchases

ON (products.p_id = purchases.pur_id);

```
29
         select ProductLabel, avg(NumberReceived)
         from products
 31
         JOIN purchases
 32
         ON (products.p id = purchases.pur id);
 33
 34
 35
 36
 37
                                           Export: Wrap Cell Content: TA
Result Grid Filter Rows:
   ProductLabel
                  avg(NumberReceived)
Yamaha YZF-R15
                  5.1000
```

5). select ProductName from products & NumberShipped from orders table and show Number shipped in ascending order using joins ?

select ProductName, NumberShipped as Shipped_Product

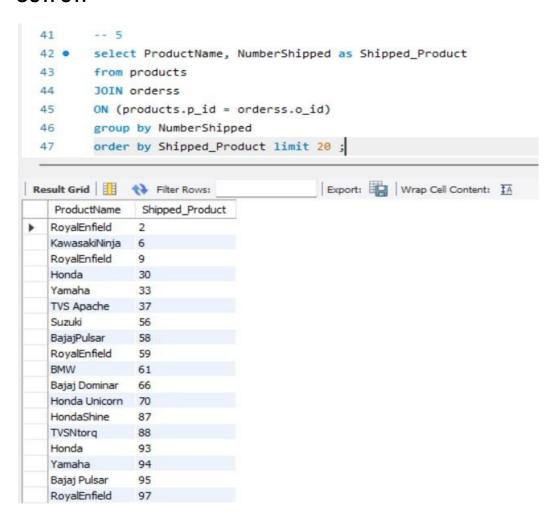
from products

JOIN orderss

ON (products.p_id = orderss.o_id)

group by NumberShipped

order by Shipped_Product;



6). select ProductName from products and show sum of Number Shipped from orderss table and also used join ?

select ProductName, sum(NumberShipped) AS Shipped_Product

from products

JOIN orderss

ON (products.p_id = orderss.o_id);

```
50
        -- 6
       select ProductName, sum(NumberShipped) AS Shipped_Product
52
       from products
       JOIN orderss
53
       ON (products.p_id = orderss.o_id);
 54
55
 56
57
Export: Wrap Cell Content: IA
  ProductName
            Shipped_Product
 Yamaha
             1188
```

7). select ProductName from product and NumberShipped, firsts, Middle, Lasts from orders table where Numbershipped id less than 10 and Number shipped should be display in descending order;

select ProductName, NumberShipped,firsts,Middle,Lasts

from products

JOIN orderss

ON (products.p_id = orderss.o_id)

having NumberShipped <= 10

order by NumberShipped DESC;

```
56
         select ProductName, NumberShipped, firsts, Middle, Lasts
 58
         from products
 59
         JOIN orderss
         ON (products.p_id = orderss.o_id)
         having NumberShipped <= 10
         order by NumberShipped DESC;
 62
Result Grid
                                             Export: Wrap Cell Content: TA
               Filter Rows:
                                        Middle
                NumberShipped
   ProductName
                                firsts
                                                 Lasts
  RoyalEnfield
                               Gabrila
                                        Lilah
                                                Luggar
   KawasakiNinja 6
                               Merline
                                        Jeanie
                                                Colguyte
   RoyalEnfield
                               Cullin
                                        Reuven
                                                Heinzler
```

8). select ProductName from products NumberReceived and Purchase date from purchases table and select supplier from suppliers table and also display NumberReceived in ascending order?

select ProductName, NumberReceived, PurchaseDate, supplier

from products

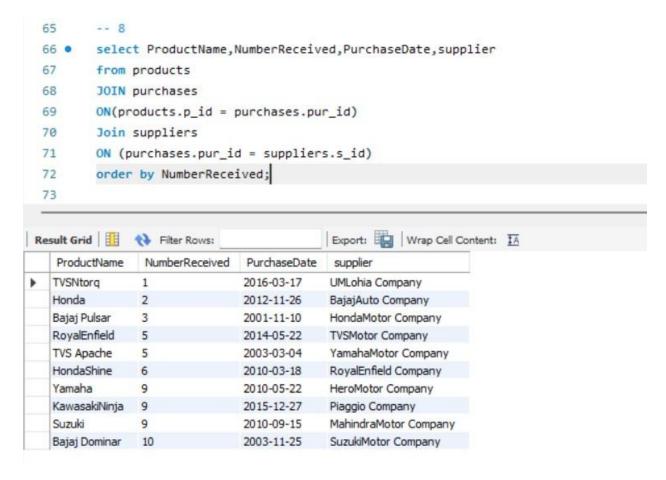
JOIN purchases

ON(products.p_id = purchases.pur_id)

Join suppliers

ON (purchases.pur id = suppliers.s id)

order by NumberReceived;



9). select ProductLabel from products NumberReceived and Purchase date from purchases table and select supplier from suppliers table and also display NumberReceived in ascending order ,where Number Received is less than 15 and product label should be starts with "B"?

select ProductLabel, NumberReceived, PurchaseDate, supplier

from products

JOIN purchases

ON(products.p_id = purchases.pur_id)

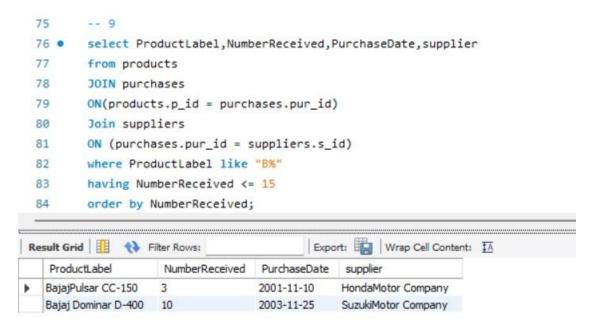
Join suppliers

ON (purchases.pur_id = suppliers.s_id)

where ProductLabel like "B%"

having NumberReceived <= 15

order by NumberReceived;



10). select ProductName, InventoryShipped,InventoryOnHand from product and NumberShipped, firsts, Middle, Lasts and Product id from orders table where product id should be between 1 to 10?

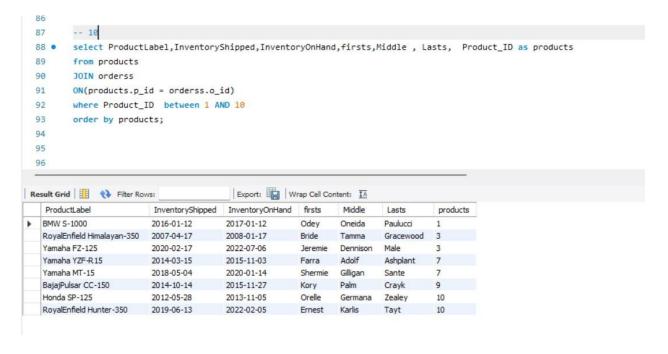
select ProductLabel,InventoryShipped,InventoryOnHand,firsts,Middle , Lasts, Product_ID as productsfrom products

JOIN orderss

ON(products.p_id = orderss.o_id)

where Product ID between 1 AND 10

order by products;



11). Select Productname, Part number from products and Product id from orders and count how many product id and show product id in descending order?

```
select CONCAT(ProductName,' ',PartNumber) AS Product_Details,
CONCAT(firsts,' ',Middle,' ',Lasts) as FullName ,
COUNT(Product_ID) as Product_No
from products

JOIN orderss
ON (products.p_id = orderss.o_id)
group by Product_ID
order by Product_No desc;
```

```
99
         select CONCAT(ProductName, ' ',PartNumber) AS Product_Details,
100 .
        CONCAT(firsts, '', Middle, '', Lasts) as FullName ,
101
        COUNT(Product_ID) as Product_No
102
        from products
103
104
        JOIN orderss
105
        ON (products.p_id = orderss.o_id)
         group by Product_ID
106
         order by Product_No desc;
107
108
Export: Wrap Cell Content: IA
   Product_Details
                          FullName
                                               Product_No
 Bajaj Dominar D-400
                         Blakelee Larine Hill
  Suzuki GSX R 1000
                      Geri Marji Say
                                              3
  Yamaha YZF-R15
                         Farra Adolf Ashplant
                                              2
  Honda SP-125
                      Orelle Germana Zealey
                                              2
  HondaShine HS-100
                       Jo-ann Patrice Frape
  RoyalEnfield Himalayan-350 Bride Tamma Gracewood 2
  Bajaj Pulsar CC-150
                         Kory Palm Crayk
  RoyalEnfield Classic-350 Ezra Merry Rickesies
  TVS Apache RTR-160
                         Anita Daphene Hoyt
  BaiaiPulsar P-200
                      Gerrie Paten Beadman 1
  BMW S-1000
                         Odey Oneida Paulucci
```

12). Select Productname, Part number from products and Number received from purchases and supplier from suppliers table and also display Number received less than 5?

select CONCAT(ProductName,' ',PartNumber) as Product_Details, NumberReceived, PurchaseDate, supplier

from products

JOIN purchases

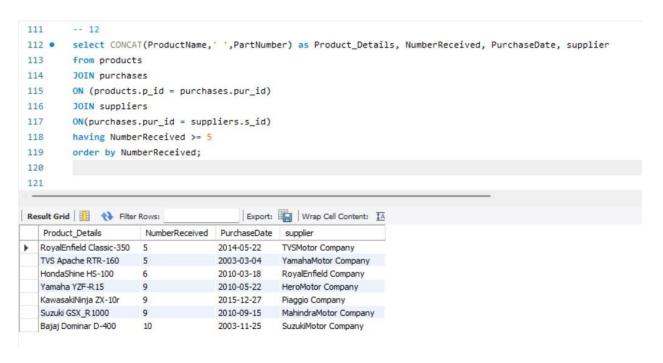
ON (products.p id = purchases.pur id)

JOIN suppliers

ON(purchases.pur_id = suppliers.s_id)

having NumberReceived >= 5

order by NumberReceived;



13). select ProductLabel, InventoryShipped, InventoryOnHand fromproducts and firsts, Middle, Lasts, Product_ID from orders where firsts name should start with "F", Middle name should start with "F", Lasts name should start with "A".

select ProductLabel, InventoryShipped, InventoryOnHand, firsts, Middle , Lasts, Product_ID as products

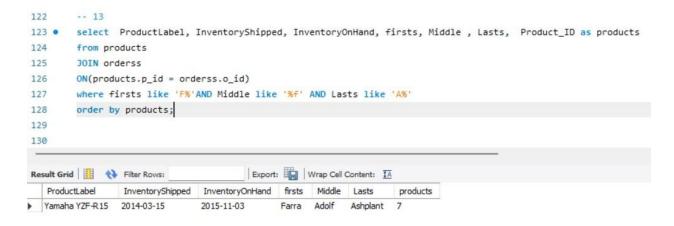
from products

JOIN orderss

ON(products.p_id = orderss.o_id)

where firsts like 'F%'AND Middle like '%f' AND Lasts like 'A%'

order by products;



14). Select ProductLabel from products and Number received from purchases and supplier from suppliers table where supplier name start with "R" and NumberReceived should be less than 20?

select ProductLabel, NumberReceived, PurchaseDate, supplier

from products

JOIN purchases

ON (products.p_id = purchases.pur_id)

JOIN suppliers

ON(purchases.pur_id = suppliers.s_id)

where supplier like 'R%'

having NumberReceived <=20

order by NumberReceived;

```
130
131
132 •
        select ProductLabel, NumberReceived, PurchaseDate, supplier
133
        from products
134
        JOIN purchases
135
        ON (products.p_id = purchases.pur_id)
136
        JOIN suppliers
        ON(purchases.pur_id = suppliers.s_id)
137
        where supplier like 'R%'
138
        having NumberReceived <=20
139
         order by NumberReceived;
140
                                          Export: Wrap Cell Content: IA
Result Grid
   ProductLabel
                   NumberReceived PurchaseDate
                                               supplier
 HondaShine HS-100 6
                                  2010-03-18
                                              RoyalEnfield Company
```

15). Select ProductLabel InventoryOnHand from products and PurchaseDate from purchases and supplier from suppliers table, where InventoryOnhand shold be between '2015-11-03' AND '2020-01-20' using join?

select ProductLabel,InventoryOnHand, NumberReceived,PurchaseDate,supplier from products

JOIN purchases

ON(products.p id = purchases.pur id)

Join suppliers

ON (purchases.pur_id = suppliers.s_id)

where InventoryOnHand BETWEEN '2015-11-03' AND '2020-01-20' order by NumberReceived;

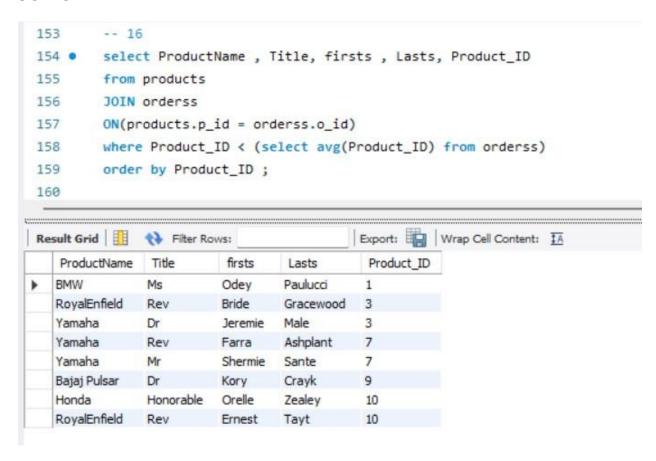
```
143
         select ProductLabel, InventoryOnHand, NumberReceived, PurchaseDate, supplier
145
        from products
146
         JOIN purchases
147
         ON(products.p_id = purchases.pur_id)
148
         Join suppliers
149
         ON (purchases.pur_id = suppliers.s_id)
150
         where InventoryOnHand BETWEEN '2015-11-03' AND '2020-01-20'
151
         order by NumberReceived;
152
Export: Wrap Cell Content: TA
   ProductLabel
                    InventoryOnHand
                                    NumberReceived
                                                   PurchaseDate
                                                                supplier
  BajajPulsar CC-150
                    2015-11-27
                                    3
                                                   2001-11-10
                                                                HondaMotor Company
  TVS ApacheRTR-160 2017-08-06
                                                   2003-03-04
                                                               YamahaMotor Company
  HondaShine HS-100
                                                   2010-03-18
                    2016-09-14
                                                                RoyalEnfield Company
                                                   2010-05-22
  Yamaha YZF-R 15
                                    9
                    2015-11-03
                                                               HeroMotor Company
  Bajaj Dominar D-400 2020-01-20
                                    10
                                                   2003-11-25
                                                                SuzukiMotor Company
```

16). Select Productname from products and Title, firsts, Lasts, Product_ID from orders .use subquery fro product id and also show average of product id?

```
select ProductName , Title, firsts , Lasts, Product_ID from products
```

JOIN orderss

```
ON(products.p_id = orderss.o_id)
where Product_ID < (select avg(Product_ID) from orderss)
order by Product_ID;</pre>
```



17). select ProductLabel,InventoryShipped from products and MinimumRequired PurchaseDate from purchases and supplier from supplier, where purchase date is between '2010-05-22' and '2020-12-31' and find the average of Minimum required using join?

select ProductLabel,InventoryShipped,MinimumRequired as Required,PurchaseDate,supplier

from products

JOIN purchases

ON(products.p_id = purchases.pur_id)

JOIN suppliers

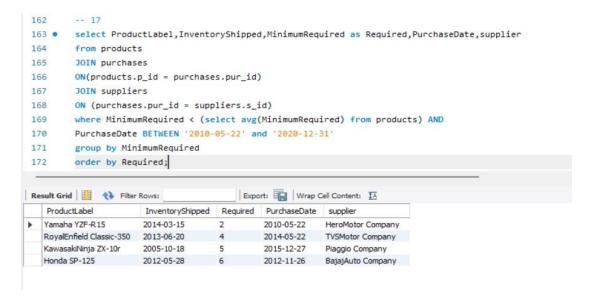
ON (purchases.pur_id = suppliers.s_id)

where MinimumRequired < (select avg(MinimumRequired) from products) AND

PurchaseDate BETWEEN '2010-05-22' and '2020-12-31'

group by MinimumRequired

order by Required;



18). select ProductName PartNumber StartingInventory, InventoryReceived from products and firsts, Middle, Lasts from orders where starting inventory is between '2005-04-21' and '2015-12-31' and fingd the average of Number shipped using join?

```
select CONCAT(ProductName, '', PartNumber) as Product Details,
```

StartingInventory, InventoryReceived,

CONCAT(firsts,' ',Middle,' ',Lasts) as FullName,NumberShipped AS shipped, OrderDate

from products

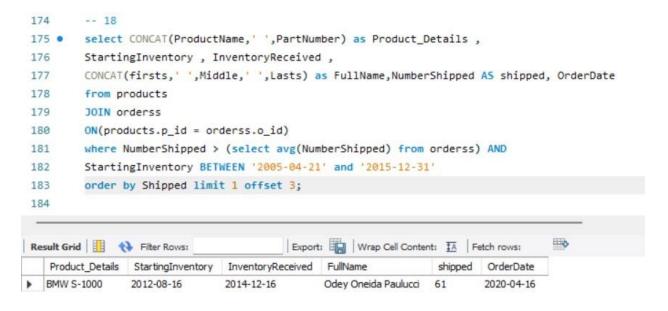
JOIN orderss

ON(products.p_id = orderss.o_id)

where NumberShipped > (select avg(NumberShipped) from orderss) AND

StartingInventory BETWEEN '2005-04-21' and '2015-12-31'

order by Shipped limit 1 offset 3;



19). select ProductLabel,InventoryShipped from products and Number received from purchases and supplier from suppliers table, where InventoryOnHand Between '2015-11-03' to '2020-01-20' and supplier name starts with "H"?

select ProductLabel,InventoryOnHand,NumberReceived,supplier

from products

JOIN purchases

ON(products.p id = purchases.pur id)

Join suppliers

ON (purchases.pur_id = suppliers.s_id)

where InventoryOnHand BETWEEN '2015-11-03' AND '2020-01-20' AND supplier like "H%"

order by NumberReceived;

```
186
        -- 19
187 •
        select ProductLabel, InventoryOnHand, NumberReceived, supplier
188
        from products
189
        JOIN purchases
190
        ON(products.p_id = purchases.pur_id)
191
        Join suppliers
192
        ON (purchases.pur_id = suppliers.s_id)
193
        where InventoryOnHand BETWEEN '2015-11-03' AND '2020-01-20' AND supplier like "H%"
        order by NumberReceived;
194
195
196
Export: Wrap Cell Content: IA
   ProductLabel
                  InventoryOnHand NumberReceived
  BajajPulsar CC-150
                  2015-11-27
                                               HondaMotor Company
  Yamaha YZF-R15
                  2015-11-03
                                               HeroMotor Company
```

20). select ProductLabel, Minimum Required from products and Title, firsts, Middle, Lasts from orders, where Title starts with "M" and Minimum Required is less than 15?

select ProductLabel, Minimum Required,

Title, CONCAT(firsts, '', Middle, '', Lasts) as FullName

from products

JOIN orderss

ON (products.p_id = orderss.o_id)

where MinimumRequired <=15 AND Title like "M%"

order by MinimumRequired DESC;

```
197
           -- 20
 198 •
          select ProductLabel, MinimumRequired,
          Title, CONCAT(firsts, ' ', Middle, ' ', Lasts) as FullName
          from products
 200
 201
          JOIN orderss
          ON (products.p_id = orderss.o_id)
 202
          where MinimumRequired <=15 AND Title like "M%"
          order by MinimumRequired DESC;
 204
 205
206
Result Grid
               Filter Rows:
                                               Export: Wrap Cell Content: IA
    ProductLabel
                            MinimumRequired
                                                    FullName
   Honda Unicorn CC-200
                            10
                                            Mrs
                                                   Izzy Bendite Whitham
   BMW S-1000
                                            Ms Odey Oneida Paulucci
    Yamaha MT-15
                                                   Shermie Gilligan Sante
   Continental-GT
                           7
                                            Mr
                                                  Cullin Reuven Heinzler
    TVS ApacheRTR-160
                            5
                                            Mrs
                                                   Anita Daphene Hoyt
   KawasakiNinja ZX-10r
                           5
                                            Ms
                                                  Merline Jeanie Colguyte
   Bajaj Dominar D-400
                                                   Blakelee Larine Hill
   RoyalEnfield Standard-500
                                            Ms Gabrila Lilah Luggar
```