**Database Backup**

The Complete database back-up has been taken by using the following steps:-

MySQLWorkBench **-->** Login 🡪 Click on Server 🡪 Export 🡪 Select eCommerce Database 🡪 checked DUMP STORED PROCEDURES & FUNCTIONS and SELECT DUMP STRUCTURE & DATA 🡪 Click on the Export

*Back-up File Name:* ***Dump20230815\_DB\_Back\_Up***

**SQl Queries**

Q4. Solutions

Sol-I

select distinct customer.cus\_id, customer.cus\_name,customer.cus\_gender

from

customer inner join orders

where

customer.cus\_id = orders.cus\_id

and orders.ord\_amount>=3000

order by customer.cus\_gender

|  |  |  |
| --- | --- | --- |
| **cus\_id** | **cus\_name** | **cus\_gender** |
| 4 | MEGHA | F |
| 5 | PULKIT | M |
| 1 | AAKASH | M |

Sol-II

SELECT customer.cus\_gender, COUNT(customer.cus\_id) AS Total\_Customers

FROM customer

WHERE customer.cus\_id IN (

SELECT DISTINCT cus\_id

FROM orders

WHERE ORD\_AMOUNT >= 3000

)

GROUP BY CUS\_GENDER;

|  |  |
| --- | --- |
| **cus\_gender** | **Total\_Customers** |
| M | 2 |
| F | 1 |

Q5. Solutions

select product.pro\_name, orders.\* from orders, supplier\_pricing, product

where orders.cus\_id=2 and

orders.pricing\_id=supplier\_pricing.pricing\_id and supplier\_pricing.pro\_id=product.pro\_id;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **pro\_name** | **ord\_id** | **ord\_amount** | **ord\_date** | **cus\_id** | **pricing\_id** |
| GTA V | 101 | 1500 | 2021-10-06 | 2 | 1 |
| TSHIRT | 110 | 2500 | 2021-09-10 | 2 | 4 |
| MILK | 116 | 99 | 2021-09-17 | 2 | 14 |

Q6. Solutions

select s.\*, count(pro\_id) as product\_count from supplier\_pricing sp

inner join supplier s on s.supp\_id = sp.supp\_id

group by supp\_id

having count(pro\_id) > 1;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **supp\_id** | **supp\_name** | **supp\_city** | **supp\_phone** | **product\_count** |
| 1 | Rajesh Retails | Delhi | 1234567890 | 4 |
| 2 | Appario Ltd. | Mumbai | 2589631470 | 5 |
| 3 | Knome products | Banglore | 9785462315 | 2 |
| 4 | Bansal Retails | Kochi | 8975463285 | 2 |
| 5 | Mittal Ltd. | Lucknow | 7898456532 | 3 |

Q7. Solutions

select min(SUPP\_PRICE) as Min\_Price,c.CAT\_ID, c.cat\_name

from category c

inner join product p on c.CAT\_ID=p.CAT\_ID

inner join SUPPLIER\_PRICING s

on p.PRO\_ID=s.PRO\_ID

group by c.CAT\_ID

order by c.cat\_id

|  |  |  |
| --- | --- | --- |
| **Min\_Price** | **CAT\_ID** | **cat\_name** |
| 780 | 1 | BOOKS |
| 1450 | 2 | GAMES |
| 99 | 3 | GROCERIES |
| 529 | 4 | ELECTRONICS |
| 2500 | 5 | CLOTHES |

Q8. Solutions

select p.PRO\_ID, p.PRO\_NAME, o.ORD\_DATE from orders o

inner join supplier\_pricing sp ON sp.PRICING\_ID = o.PRICING\_ID

inner join product p ON sp.PRO\_ID = p.PRO\_ID

where o.ORD\_DATE > "2021-10-05";

|  |  |  |
| --- | --- | --- |
| **PRO\_ID** | **PRO\_NAME** | **ORD\_DATE** |
| 1 | GTA V | 2021-10-06 |
| 4 | OATS | 2021-10-12 |

Q9. Solutions

select customer.cus\_id, customer.cus\_name,customer.cus\_gender

from

customer

where

customer.cus\_name like 'A%' or customer.cus\_name like '%A'

|  |  |  |
| --- | --- | --- |
| **cus\_id** | **cus\_name** | **cus\_gender** |
| 1 | AAKASH | M |
| 2 | AMAN | M |
| 3 | NEHA | F |
| 4 | MEGHA | F |

Q10. Solutions

call e\_commerce.rating\_proc();

|  |  |  |  |
| --- | --- | --- | --- |
| **supp\_id** | **supp\_name** | **Average** | **Type\_of\_Service** |
| 1 | Rajesh Retails | 2.125 | Average Service |
| 2 | Appario Ltd. | 3.3333 | Average Service |
| 3 | Knome products | 5 | Excellent Service |
| 4 | Bansal Retails | 4 | Average Service |
| 5 | Mittal Ltd. | 2 | Poor Service |

Proc Code:

CREATE DEFINER=`root`@`localhost` PROCEDURE `rating\_proc`()

BEGIN

select report.supp\_id,report.supp\_name,report.Average,

case

WHEN report.Average =5 THEN 'Excellent Service'

WHEN report.Average >4 THEN 'Good Service'

WHEN report.Average >2 THEN 'Average Service'

ELSE 'Poor Service'

END AS Type\_of\_Service from

(select final.supp\_id, supplier.supp\_name, final.Average from

(select test2.supp\_id, sum(test2.rat\_ratstars)/count(test2.rat\_ratstars) as Average from

(select supplier\_pricing.supp\_id, test.ORD\_ID, test.RAT\_RATSTARS from supplier\_pricing inner join

(select orders.pricing\_id, rating.ORD\_ID, rating.RAT\_RATSTARS from orders inner join rating on rating.ord\_id = orders.ord\_id ) as test

on test.pricing\_id = supplier\_pricing.pricing\_id)

as test2 group by test2.supp\_id)

as final inner join supplier where final.supp\_id = supplier.supp\_id) as report;

END