

★ sample.sql

```
1 SELECT boat_id, boat_name, seat_capacity FROM boat_details
2 WHERE boat_name IN('BLACK PEARL') ORDER BY boat_id;
3 GO
```

Question Description



Write a query to the display boat details like boat id, boat name and seating capacity of "BLACK PEARL" boat.

Sort the results based on the boat id in ascending order.

★ sample.sql

```
1 SELECT * FROM boat_details WHERE boat_id <>'BOAT102'
2 AND boat_id<>'BOAT104' ORDER BY boat_name DESC;
3 GO
```

Question Description



Write a query to display all the details of boats except the boats with ids BOAT102 and BOAT104.

Sort the results based on the boat name in descending order.

★ sample.sql

```
1 SELECT *from boat_details where seat_capacity
2 BETWEEN 100 AND 200 ORDER BY boat_id DESC;
3 GO
```

Question Description

Write a query to display the boat id, boat name, boat type and seat capacity of all boats whose seating capacity is in the range of 100 to 200(Both 100 and 200 are inclusive).

Sort the records in descending order based on the boat id.

★ sample.sql

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```
1 SELECT sailor_id,sailor_name,phone_no,address FROM
2 sailor_details WHERE sailor_name LIKE '_H%' ORDER BY sailor_id DESC;
3 GO
```

Question Description

595

Write a query to display the sailor id, name, phone number and address of those sailors who have 'H' as the second letter in their names.

Sort the results based on the sailor id in descending order.

★ sample.sql

```
1 select boat_id,boat_name,seat_capacity
2 from boat_details where boat_type='SUPER DELUXE'
3 and seat_capacity>100 order by boat_id DESC;
4 GO
```

Question Description

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Write a query to display the boat details like boat id, boat name and seating capacity of all 'SUPER DELUXE' type boats having a seating capacity greater than 100.

Sort the results based on the boat id in descending order.

★ sample.sql

```
1 select sailor_id,sailor_name,LEN(sailor_name)
2 AS NAME_LENGTH from sailor_details order by sailor_id;
3 GO
```

Question Description

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Write a query to display details like the sailor id, sailor name and length of the sailor name. Give an alias for length as NAME_LENGTH.

Sort the results based on the sailor id in ascending order.

★ sample.sql

```
1 select sailor_id+' confirmed for ride '+ride_id+' on '+ convert(varchar(10),DOT,120)
2 +"
3 order by sailor_id;
4 GO
```

Question Description



Write a query to display the sailor ride confirmation details. Give an alias name as "RIDE_CONFIRMATION_DETAILS".

Sort the records based on the sailor id in ascending order.

Sample Data:

RIDE_CONFIRMATION_DETAILS

sailor_id confirmed for ride ride_id on DOT

★ sample.sql

```
1 SELECT SUBSTRING(sailor_name, 1, 3)+ RIGHT(sailor_id,3)
2 AS 'PASSWORD' FROM sailor_details ORDER BY PASSWORD desc;
3 GO
```

Question Description



Write a query to generate a password. The password must contain the first 3 characters from the sailor's name and the last 3 characters from sailor id. Give an alias for the password as "PASSWORD".

Sort the results based on the password in descending order.

★ sample.sql

```
1 SELECT boat_id,boat_name,boat_type from boat_details
2 WHERE boat_type='DELUXE'
3 UNION ALL
4 SELECT boat_id,boat_name,boat_type FROM boat_details
5 WHERE boat_type='SUPER DELUXE';
6 GO
```

Question Description

Write a query to display the boat id, boat name and boat type of all the boats where the boat type is 'DELUXE' and then display the boat id, boat name and boat type of all the boats where the boat type is 'SUPER DELUXE'.

sample.sql

```
1 SELECT sailor_id,sailor_name,convert(varchar(20),phone_no,120)
2 as 'Contact' from sailor_details where phone_no IS NOT NULL
3 union
4 SELECT sailor_id,sailor_name,address from sailor_details where phone_no IS NULL;
5 GO
```

Question Description

Write a query to display the details like the sailor id, sailor name and phone number of the sailors. If the phone number is not available then display their addresses. Give an alias as Contact for the phone number.

Sort the results based on the sailor id in ascending order.

★ sample.sql

```
1 --select sailor_id,sailor_name,convert(varchar(20),phone_no,120) as 'USER_CONTACT' from sailor_details
2 --where phone_no is not null --union
3 --select sailor_id,sailor_name,address from sailor_details where phone_no is null and address is not null
4 --union--select sailor_id,sailor_name,address='Not Available' from sailor_details where phone_no is null and address is null
5 --ORDER BY sailor_name;--GO
6 select sailor_id,sailor_name,
7 coalesce(CAST(phone_no AS varchar),address,'Not Available')
8 as 'USER_CONTACT' from sailor_details
9 order by sailor_name;
10 GO
```

Question Description

Write a query to display the sailor id, name and phone number. If the phone number is not available display their address, if the address is also not available then display a message 'Not Available', Give an alias as USER_CONTACT.

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Sort the results based on the sailor's name in ascending order.

★ sample.sql

```
1 select ride_id,dot as 'Trip_date',No_passengers
2 from ride_details where MONTH(dot)=8 ORDER BY ride_id desc;
3 GO
```

Question Description

Write a query to display the ride id, date of the trip(DOT) as Trip_date and number of passengers who chose to ride in August.

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Sort the results based on the ride id in descending order.

sample.sql

```
1 select sailor_id,sailor_name,phone_no,address
2 from sailor_details where DATEDIFF(year,dof,'2020-09-30')>5
3 ORDER BY sailor_id DESC;
4 GO
```

Question Description

Write a query to display the details like the sailor id, sailor name, phone number and address of all the sailors who have an experience greater than 5 years.

Sort the results based on the sailor id in descending order.

sample.sql

```
1 select sailor_id,sailor_name,
2 IIF(DATEDIFF(year,dof,'2023-01-16')>=10,"SENIOR","JUNIOR")
3 AS 'EXP_CATEGORY' FROM sailor_details ORDER BY sailor_name;
4 GO
```

Question Description

Write a query to display the sailor id, sailor name and experience category of all the sailors based on the conditions given, with the alias name as EXP_CATEGORY

a. SENIOR, if the experience is more than or equal to 10 years

b. JUNIOR, if the experience is less than 10 years

Sort the results based on the sailor name in ascending order.

★ sample.sql

```
1 select sailor_id,sailor_name,phone_no from
2 sailor_details where address='KANNUR' AND
3 MONTH(doj)=01 AND year(doj)=2020 order by sailor_id desc;
4 GO
```

Question Description

Write a query to display the sailor details like the sailor id, sailor name and phone number who are from 'KANNUR' and have joined in 'JAN 2020'.

Sort the results based on the sailor id in descending order.

★ sample.sql

```
1 SELECT boat_type,count(boat_type) as 'NO_OF_BOATS'
2 From boat_details GROUP BY boat_type order by
3 NO_OF_BOATS desc;
4 GO
```

Question Description

Write a query to display the details like the boat type and the number of boats under each category. Give the alias name to the number of boats as 'NO_OF_BOATS'.

Sort the result based on the number of boats in descending order.

★ sample.sql

```
1 select sailor_id, count(sailor_id) as 'RIDE_COUNT'
2 FROM ride_details group by sailor_id order by RIDE_COUNT desc;
3 GO
```

Question Description



Write a query to display the sailor id and the number of rides they have made. Give the alias name as RIDE_COUNT for the number of rides.

Sort the results based on the RIDE_COUNT in descending order.

★ sample.sql

```
1 select boat_id, SUM(No_passengers) AS 'PASSENGERS_COUNT'
2 from ride_details GROUP BY boat_id
3 ORDER BY PASSENGERS_COUNT desc ;
4 GO
```

Question Description



Write a query to display the boat id and the total number of passengers traveled in each boat so far. Give an alias name to the total number of passengers as PASSENGERS_COUNT.

Sort the result based on the PASSENGERS_COUNT in descending order.

★ sample.sql

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```
1 select boat_type,sum(seat_capacity) as 'TOTAL_SEATS'
2 FROM boat_details where boat_type='DELUXE' group BY boat_type;
3 GO
```

Question Description

595



Write a query to display the boat_type and the total number of seating capacity with the alias name as TOTAL_SEATS for the 'DELUXE' boat type.

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sample.sql

```
1 select boat_id,iif(count(boat_id)>2,count(boat_id),0) as 'NO_OF_RIDES'
2 from ride_details group by boat_id having count(boat_id)>2 ORDER BY NO_OF_RIDES;
3 GO
```

Question Description



Write a query to display the boat id and the number of rides taken by each boat that has rides count greater than 2. Give the alias name for the number of rides as 'NO_OF_RIDES'.

Sort the results based on the number of rides in ascending order.

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