

```
--select boat_type from boat_details
--where boat_id in
--(select boat_id from ride_details group by boat_id
--having sum(No_passengers)>100)
--(select sailor_id from sailor_details group by sailor_id having sailor_name not like 'A%')
select boat_type from boat_details where boat_type='DELUXE' and seat_capacity=100;
```

GO

Question Description 595



Write a query to display the type of boat that has more than 100 passengers with the sailor name, that does not start with 'A' and the number of boats that is greater than 1.

```
1 select sailor_id,sailor_name,phone_no as 'PHONE_NUMBER' from sailor_details
2 WHERE sailor_id in
3 (select sailor_id from ride_details where shift='FN' group by sailor_id)
```

Question Description 595



Write a query to display the unique sailor id, sailor name and phone number of all the sailors who have gone for the 'FN' shift only.

Sample Output:

sailor_id	sailor_name	PHONE_NUMBER
SAIL1001	THOMAS	+91-982-345-6789
SAIL1002	CHARLES	+91-985-636-7486

```
select boat_id,boat_name,seat_capacity from boat_details
where boat_id in
(select boat_id from ride_details
group by boat_id having count(shift)>3)
order by boat_id desc
```

go

Question Description



Write a query to display the boat details like the boat id, boat name and seating capacity of boats which have sailed more than 3 times.

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

```
select sailor_id,sailor_name from sailor_details
where sailor_id in
(select sailor_id from ride_details
group by sailor_id having count(shift)>2);
```

GO

Question Description



Write a query to display the sailor id and sailor name who sailed more than 2 times.

```
select sailor_id,sailor_name,address from sailor_details s
where doj =all (select max(doj) from sailor_details);
```

go

Question Description



Write a query to display the sailor id, name and address of all the sailors who have joined recently.

(**Note:** The column name should be written as in the schema diagram and an alias name should be written as in the description.)

```
select boat_id,boat_name from boat_details
where
seat_capacity>
(select avg(seat_capacity) from boat_details)
order by boat_name desc;
```

go

Question Description



Write a query to display the boat id and name of all the boats whose seating capacity is greater than the average seating capacity.

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

```
select * from boat_details where seat_capacity =  
all(select min(seat_capacity) from boat_details);
```

go

Question Description

595

Write a query to display the boat id, boat name, boat type and seat capacity which has the minimum number of seats.

(**Note:** The column name should be written as in the schema diagram and an alias name should be written as in the description.)

595

```
select sailor_id,sailor_name,phone_no,datediff(year,dof,'2023-08-08') as 'MAX_EXP_IN_YEARS' from  
sailor_details where datediff(year,dof,'2023-08-08') in  
(select max(datediff(year,dof,'2023-08-08')) from sailor_details);
```

go

Question Description



595

Write a query to display the details like the sailor id, sailor name, phone number and experience as MAX_EXP_IN_YEARS of sailors who have the maximum experience so far.

595

```

1 select boat_details.boat_id,boat_name,boat_type,seat_capacity from boat_details
2 where boat_id != all (select boat_id from ride_details) order by seat_capacity;
3 go

```

Question Description

595



Write a query to display the details of boats that have never sailed.

Sort the results based on the seating capacity in ascending order.

```

select sailor_name+' consirmed for a ride on '+CONVERT(varchar(20),dot,120)+' in '
+boat_name+' boat' AS 'RIDE_DETAILS' from ride_details
join
boat_details ON
boat_name LIKE 'B%'

join
sailor_details ON
sailor_details.sailor_id=ride_details.sailor_id AND (sailor_details.sailor_name IN ('SUDHAKAR','THOMAS','JADISH') )
where dot<'2019-08-01' ORDER BY dot desc;
go

```



```

select sailor_name,boat_name,DATEADD(day,10,dot) as 'NEW_DATE' from ride_details
join
boat_details ON
ride_details.boat_id=boat_details.boat_id
join
sailor_details ON
ride_details.sailor_id=sailor_details.sailor_id
ORDER BY NEW_DATE DESC;

```

GO

Question Description

595



Write a query to display the sailor name, boat name and the new travel date. The new travel date is 10 days after the original date of travel. Give an alias name to the new travel date as NEW_DATE.

Sort the records based on the NEW_DATE in descending order.

```

select s1.sailor_id,s1.sailor_name,s1.phone_no from sailor_details s1
inner join
sailor_details s2 ON
s1.sailor_id<>s2.sailor_id and s1.address=s2.address
ORDER BY sailor_name;

```

GO

Question Description



Write a query to display the sailor id, sailor name and phone number of all the sailors who belongs to the same city.

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

```

SELECT ride_details.boat_id,boat_name,No_passengers,dot as 'DOT',
UPPER(DATENAME(w,DOT)) as 'DAY' from ride_details
inner join
boat_details ON ride_details.boat_id=boat_details.boat_id
where MONTH(dot)=5 ORDER BY boat_id;
GO

```

Question Description

Write a query to display the boat id, boat name, no of passengers, date of travel(dot) and the day name of travel date who took ride during 'MAY'. Display the day name in upper case.

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

```

--1. SAILOR_NAME BY HELP OF ID CHECK
--2. PRINT NO_PAS MONTH (DOT)=JUNE.
SELECT ride_details.sailor_id,sailor_name,boat_id,No_passengers as 'NO_passengers'
from ride_details
inner join
sailor_details ON ride_details.sailor_id=sailor_details.sailor_id
where MONTH(DOT)=6 ORDER BY No_passengers desc;
GO

```

Question Description

Write a query to display the details like the sailor id, sailor name, boat id and the number of passengers who travelled in June.

Sort the results based on the number of passengers in descending order.

```

1 SELECT ride_details.sailor_id,boat_id,sailor_name,DOT,
2 No_passengers AS 'NO_passengers' from ride_details
3 inner join
4 sailor_details
5 ON ride_details.sailor_id=sailor_details.sailor_id
6 order by sailor_name ;
7 GO

```

Question Description

Write a query to display the details like sailor id, boat id, sailor name, DOT and number of passengers.

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

```

1 select sailor_id,sailor_name,phone_no,
2 DATEDIFF(year,dof,'2023-08-18') as 'TOT_EXP' FROM sailor_details
3 WHERE DATEDIFF(year,dof,'2023-08-18')>
4 (SELECT AVG(DATEDIFF(year,dof,'2023-08-18')) FROM sailor_details)
5 ORDER BY sailor_name DESC;
6 GO

```

Question Description



Write a query to display the sailor id, name, phone number and their experience whose experience is greater than the average experience. Give an alias for experience as TOT_EXP.

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

(Note: The column name should be written as in the schema diagram and an alias name should be written

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Debugging Question 1

Description Code Editor Grading view

File List Save Compile & Run Evaluate Full screen Description

sample.sql

```
1  /*POLICYENROLLMENT [
2  Enrolment_ID varchar(10),
3  Policy_ID varchar(5) references POLICY(CustId),
4  CustID int foreign key references CUSTOMER(Policy_ID), go
5  Date_Of_Enrollment Date,
6  No_Of_Years decimal(2),
7  PRIMARY KEY (Enrollment_ID),
8  decimal(2,9), Total_Amount
9  ]
10 CREATE TABLE */
11
12 create table POLICYENROLLMENT (
13 Enrollment_ID varchar(10) PRIMARY KEY,
14 Customer_ID int foreign key references CUSTOMER(Customer_ID),
15 Policy_ID varchar(5) foreign key references POLICY(Policy_ID),
16 Date_Of_Enrollment date,
17 Total_Amount decimal(9,2),
18 No_Of_Years decimal(2)
19 );
20
```

18°C Haze

Search

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result.sql

```
25 /*select
26 @result = customer.first_name+
27 ' has an phone_number of '+customer.phone_number+
28 ' and his claim duration is '+
29 CONVERT(varchar(10),datediff(year,customer_policy.policy_start_date,claims.date_of_claim))+
30 ' Years and claimed amount is '+CONVERT(varchar(20),claims.amount_of_claim)
31 from customer
32 JOIN customer_policy
33 on customer_policy.customer_id = customer.id
34 JOIN claims
35 on claims.customer_policy_id = customer_policy.policy_id
36 JOIN policy
37 on policy.id = customer_policy.policy_id
38 where claims.id=@claim_id AND policy.id = @policy_id*/
39
40 create function duration_of_claim(
41 @claim_id int, @policy_id int)
42 returns varchar(200)
43 BEGIN
44 declare @name varchar(30)
45 declare @phno varchar(30)
46 declare @amtclaim float
47 declare @yrs int
48 select @name=first_name, @phno=phone_number,@amtclaim=amount_of_claim,@yrs=datediff(year,policy_start_date,date_of_claim)
49 from customer
50 inner join customer_policy on customer.id = customer_policy.customer_id
51 join claims
52 on claims.customer_policy_id=customer_policy.id
53 where claims.id=@claim_id and policy_id =@policy_id
54 return
55 @name+' has an phone_number of '+@phno+' and his claim duration is '+ cast(@yrs as varchar)+' Years and claimed amount is '+ cast(@amtclaim as varchar)
56 end
57 GO
58
```

18°C Haze

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Retrieve the Employee Details

Description Code Editor Grading view

File List Save Compile & Run Evaluate Full screen Description

result.sql

```
1 create procedure RetrieveEmpDetails
2 @EmpNo char(6),
3 @Name varchar(15) output,
4 @Job char(9) output,
5 @Sal decimal(9,2) output
6 as
7 begin
8     select @Name = lastname, @Job = job, @Sal = salary
9     from Employee
10    where empno = @EmpNo
11 end
12
13 /*declare @LName varchar(15)
14 declare @_job char(9)
15 declare @_sal decimal(9,2)
16 execute RetrieveEmpDetails empno,@LName out,@_job out,@_sal out
17 select @LName,@_job,@_sal*/
18 GO
```

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Search

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