

Queries

①

Sailors (sid, sname, rating, age)
Boats (Bsid, Bname, Bcolor)
Reserves (Bsid, Sid, Day)

Q. Find the avg. age of all sailors
select avg (age) from sailors

Q. Find the avg. age of sailors with
rating 10
select avg (age) from sailors
where rating = 10

Q. Find the name & age of oldest
sailor

select sname, sage from sailor
where sage = (select max (sage)
from sailor)

Q. Find the sid of sailors who are
older than oldest sailor with
a rating 10

select sid from sailor where
age > (select max (age) from
sailor where rating = 10)

Q

Find the age of youngest sailor who is atleast 18 for each rating level

U

Select ~~s. age~~ ^{rating} min (age) from sailor where age ≥ 18 group by rating

Q

Find the age of youngest sailor who is at least 18 for each rating with atleast 2 sailors

same having count (*) ≥ 2

Q

For each red boat, find the no. of reservations

Select b.bid, count (*) from boat b, reserves r where b.bid = r.bid and b.color = red group by bid.

4/9/18
62
52
133
55
58
2
6
8
13
14
19
20
21
25
26

Q

Find the avg age of sailors for each rating level that has at least 2 sailors

Select rating, avg (age) from sailor group by rating having count (*) ≥ 2

Tutorial - II

Group 2 - 21/8/18

52 55 58 2 11 26
3/11/18

Consider the foll. relation and answer
the foll. queries

customer (cid, cname, city, grade, salesmanid)
salesman (sid, sname, city, commission)

Q1 Write a query to display all customers with a grade above 100.

select * from Cust where grade > 100

Q2 Query to display all customers in New York who have grade above 100.

select * from Cust where city = 'NY' and grade > 100

Q3 Write SQL query to display all customers who ~~are~~ either belong to city NY or ^{not} had a grade > 100.

select * from Cust where city = 'NY' or grade > 100

Q4 Write SQL to display either those orders which are not issued on date 31/10/2017 and issued by salesmanid 505 or below those orders whose amount is 1000 and below.

select * from orders where NOT (order date = '31/10/2017' and salesmanid > 505 or amount > 1000)

Q5

Write SQL to display sid, name, city, commission who gets the commission within range more than 0.10% and less than 0.12%.

Select * from salesman where
com > 0.10 And com < 0.12

Q6

orders (ono, purchamt, orderdate, cid, sid)

Q6

SQL query where orderdate =
or customer id not greater than 3005
and purchase amt is not below 1000

Select * from orders where NOT
(ord-date = ' ' or cusid > 3005
and p-amt < 1000)

Q7

SQL query to display all orders where
purchase amt less than 200 or exclude
these orders ~~not~~ whose order date is
on or greater than 15/08/2018 & cust
id below 3009.

Select * from orders where
(purch-amt < 200 or NOT (ord
date >= 2012-02-10 And custid < 3009))

Q8

ER Diagram

