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/* Table Creation */ create table Sailor ( sailorid int primary key not null,sname varchar(25) not
null,rating int not null,age int not null); create table Boats(bid int primary key not null,bname
varchar(25) not null,colour varchar(25) not null) Create table Reserves (sailorid int primary key
not null,bid int not null,day date); /* constraint*/ alter table Reserves add constraint fk_bid
foreign key(bid) references Boats(bid); /*sailor Data*/ insert into sailor values(101, 'Jeeva', 4,
28); insert into sailor values(102, 'john', 4.5, 28); insert into sailor values(103, 'Wick', 3, 28);
insert into sailor values(104, 'Alexender', 4, 28); insert into sailor values(105, 'joe', 5, 28); insert
into sailor values(106, 'Adam', 3.5, 28); /* Boats data*/ insert into boats values(201, 'black pearl',
'blue'); insert into boats values(202, 'columbus', 'blue'); insert into boats values(203, 'Titanic',
'Green'); insert into boats values(204, 'imagination', 'Green'); insert into boats values(205,
'wanderlust', 'brown'); insert into boats values(206, 'gale', 'white'); insert into boats values(207,
'Liberty', 'blue'); /* Reserves data */ insert into Reserves values( 101, 201, '2021/08/23'); insert
into Reserves values( 102, 202, '2022/08/23'); insert into Reserves values( 103, 203,
'2020/08/13'); insert into Reserves values( 104, 204, '2008/06/15'); insert into Reserves values(
105, 205, '2018/02/23'); insert into Reserves values( 106, 207, '2021/03/12'); insert into
Reserves values( 106, 207, '2022/01/20'); select * from sailor select * from boats select * from
reserves /* List the sailos in the descending order of their rating*/ select * from sailor order by
rating desc /* create a view to list the sailors with rating greater than 3 */ create view
higherratingsailors as select sname, rating from sailor where rating >3; select * from
higherratingsailors; /* list the colour of the boats along with number of boats with that colour */
select colour , count(*) as numberofboats from Boats group by colour; /* list the dates in which
green colour boat is reserved */ select day, colour from reserves inner join boats on
reserves.bid=boats.bid where colour= 'green' /* write a procedure to list the details of blue
colour boat */ Exec udf_blucolourboats; /* create a function that accepts sid and returns the
name of the sailor */ select dbo.udf_sailorname(101) as sailername select
dbo.udf_sailorname(102) as sailername select dbo.udf_sailorname(103) as sailername

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