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Duration: 1 hour **UCID:** 2023510063
Marks: 25 Marks
General Instructions:
Viva will be taken at the time of practical as well as after the practical if required.
The figures to the right indicate full marks.
If you are using any additional information, state it clearly.
Once you finish with the code show it to the examiner for testing. Write your answer in Word file and upload it on Moodle.

Q. 1 A)	**Consider the reservation database given below. The primary keys are underlined and the data types are specified:** **Sailor** (Sname: varchar(50) , s_rating: number(10)) **Boat** (bname:varchar(50) , color:varchar(20), b_rating:number:number(10)) **Reservation** (sname:varchar(50), bname:varchar(50),weekday:varchar(50)) a) Create the above tables by properly specifying the primary keys and the foreign keys and named constraints. b) Enter atleast five tuples for each relation. c) Write SQL query to display Sailor details where weekday is Monday. d) Write SQL query to total number of boats of weekday Wednesday. e) Write SQL query to truncate all the relations.	**10**
B)	Write PL/SQL procedure to find out number of sailors whose names start with 'W'.	**10**
C)	Write PL/SQL trigger that raises an exception when newly inserted boat color is gray, else insert details in Boat relation.	**5**

Q.1 A

a). Create database reservation;
use reservation;
create table Sailor (Sname varchar(50) primary key, s-rating int);
create table Boat (bname varchar(50) primary key, color varchar(20), b_rating int);
create table reservation (Sname varchar(50), bname varchar(50), weekday varchar(50), foreign key (Sname) references Sailor(Sname), foreign key (bname) references Boat(bname));

b). Insert into Sailor values ("Samuel", 9), ("Wayne", 8), ("Tony", 8), ("Saurav", 7), ("Solomon", 8), ("Wendy", 8), ("Sammy", 8), ("Thomas", 8);
Insert into Boat values ("boat01", "red", 9), ("boat02", "blue", 8), ("boat03", "green", 8), ("boat04", "yellow", 7), ("boat05", "orange", 6), ("boat06", "black", 8), ("boat07", "white", 9), ("boat08", "pink", 5);
Insert into Reservation values ("Samuel", "boat01", "monday"), ("Wayne", "boat02", "Tuesday"), ("Tony", "boat03", "Monday"), ("Saurav", "boat04", "wednesday"), ("Solomon", "boat05", "wednesday"), ("Wendy", "boat06", "thursday"), ("Sammy", "boat07", "monday"), ("Thomas", "boat08", "wednesday");

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c). select Sailor.Sname, Sailor.s-rating from Sailor join Reservation on Sailor.Sname = Reservation.Sname where Reservation.weekday = "Monday";

d). select count(Sname) from Reservation where weekday = "Wednesday";

e). truncate Sailor;
truncate Boat;
truncate Reservation;

B). Create Definer = "root"@"localhost" Procedure 'name-w'()
Begin
select count(Sname) from Sailor where Sname like "w%";
End

call name-w();

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