National University of Computer and Emerging Sciences, Lahore Campus

Course:	Object Oriented Programming		Course Code:	CS-1004
Program:	BS (CS,SE,R,DS)		Semester:	Fall 2023
Paper Date:	20-Feb-24		Total Marks:	10
Section:	BSSE-4A		Duration:	10 Minutes
Exam:	Quiz 2		Roll No.	22i-2505

Instruction/Notes: Attempt all questions. Do not use pencil or red ink. In case of confusion or ambiguity make a reasonable assumption. Do not attach any extra sheet. Use extra sheet for rough work only

Question 1:

a) Create a table **Patient** with following fields
- PatientID integer (4)
- Name varchar (15)
- Age int
- Gender varchar(5)
- Address varchar(20)
- Disease varchar(10)
- DoctorID varchar(15)

3.5

create table Patient (
Patient Id int primary key count(1000,),
Name varchar(15), Age int,
Gender varchar(5), Address varchar(20),
Disease varchar(10), Doctor Id
varchar(15));

Constraints.
- **PatientID** in Patient, is primary key. PatientID should start from 1000
b) Change the datatype of Gender from varchar(5) to char in **Patient** table.

alter table Patient update column Gender char;

Question 2.

Tbl_Sailor

sid	sname	rating	age
22	Dustin	7	45.0
29	Brutus	1	33.0
31	Lubber	8	55.5
32	Andy	8	25.5
58	Rusty	10	35.0
64	Horatio	7	35.0
71	Zorba	10	16.0
74	Horatio	9	35.0
85	Art	3	25.5
95	Bob	3	63.5

Tbl_Reserve

sid	bid	day
22	101	10/10/98
22	102	10/10/98
22	103	10/8/98
22	104	10/7/98
31	102	11/10/98
31	103	11/6/98
31	104	11/12/98
64	101	9/5/98
64	102	9/8/98
74	103	9/8/98

Tbl_Boats

bid	bname	color
101	Interlake	blue
102	Interlake	red
103	Clipper	green
104	Marine	red

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Show the Sailor names who have age greater than 33 and has boats whose color is 'red' in ascending order.

Delete the Sailor named 'Horatio'   Delete from Tbl_Sailor where sname = 'Horatio';

Update day to current date where sid=64 and day='9/8/98'

alter table Tbl_Reserve update day = '20/2/23' where sid = 64 and day = '9/8/98';

1.5

select sname from Tbl_Sailors as S, Tbl_Reserve as R, Tbl_Boats as B where S.age > 33 and R.bid = B.bid and B.color= 'red' order by sname.

asc

(3