



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 **Person** with following fields
- PersonID varchar (5)
 - Name varchar (15)
 - Age int
 - Gender varchar(5)
 - Address varchar(20)

Constraints.

- **PersonID** in Person, is primary key. Also apply check constraint for Gender to be Male only.
- b) Change the datatype of Gender from varchar(5) to char in **Person** table.

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 |

Update the color of boat to Green where The sailor is Lubber and the boat is reserved for '11/10/98'

Display all the sailors(who don't have any reservation) according to rating in desc order.