

Time : 3:00 Hours

Marks : 100

Q - 1 Create a class that contains variables for storing feet and its equivalent value of inches. Pass to the class's constructor no. of feet and have the constructor display the no. of inches. [30]

Q - 2 Write a C++ program to create 3 * 3 Matrix Class. This class should have functions to find the sum and difference of two matrices. (Use constructor and Destructor as per requirements) [20]

Q - 3 Create table “**Student_Result**” [50]

Fields	Data type	Constraints
Rno	Number(5)	Primary Key
Sname	Varchar2(20)	
Bdate	Date	

Perform following queries

1. Insert at least 10 records and Rno starts with 101.
2. Define the check constraint on Sname field that Sname must start with Upper case letter.
3. Add 3 columns like:

Fields	Data type	Size
Total	Number	5
Per	Number	6,2
Grade	Varchar2	3

4. Display all records descending order of percentage.
5. Display name and age of all students.
6. Display all records whose total is between 150 to 190 and percentage less than 60
7. Delete those records whose grade is A or B.
8. Display details of all students born in 1991 or 1992
9. Create new table ‘**new_student_rslt**’ that contain rno, sname, total, per from “**Student_Result**”
10. Delete those records whose Sname starts with ‘s’ from **student_Result**.
11. Delete all records where per < 40 from ‘**new_student_rslt**’

Remarks : Create Table with constraints – 10 Marks

Insert Records – 10 Marks

Perform Query - 30 Marks