



DR. SUBHASH UNIVERSITY

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1DECO301: Programming with C++

Practical list: 3

1. Write a C++ program that declares student structure with data members name, std, percentage. Take value for these data members and display it.
2. Find out output of below program.

```
#include<iostream>
using namespace std;
struct student
{
    char a;
    float c;
    char b;
};
int main()
{
    cout<<sizeof(student);
    return 0;
}
```
3. Write a C++ program to declare structure of Employee with data members like emp_name, emp_code, emp_salary, emp_branch and also display contents/values of member variables.
4. Write a C++ program to create class student with data members name & age. Member function are get_details() and display_details(). Call both member functions using object of the class.
5. Write a C++ program to create class Distance with private data member's feet & inches. Member function are get_distance() & display_distance(). Call both member functions using object of the class.
6. Write a C++ program to create class Shape with public data member's height & base. Member function are display_shape(). Call member function using object of the class. (*** scope resolution operator method define outside the class**).
7. Write a C++ program to demonstrate use of class employee. (***Variable declares in private section & method declaration in public**)

8. Write a C++ program to demonstrate use of class account member is acc_no, balance, branch_code. (*Declare variable in public section and initialize the value with object name and display outside the class).
9. Write a C++ program to create class Max with data member's num_1 and num_2. Member function are input(), display(), largest().
(* Nesting of member functions: A member function can be called by using its name inside another member function of the same class. This is known as nesting of member function.)
10. Write a C++ program using class to find maximum number from three numbers.
11. Create class product. Data members are product_id, product_name, unit_price. Member functions are getData(). [Getting input from user and assigning values to data members.] and putData() [Display the product information.]. Call both member function for two objects.
12. Write a C++ program to enter number and cost of a class "item" using getdata() and displaydata(). Write getdata() function outside the class item.