

ASSIGNMENT -II (Class and Object)

1. WAP to print your name, age and city and pin code on screen (Using Class).
2. Write a program to print the area of a rectangle by creating a class named 'Area' having two functions. First function named as 'setDim' takes the length and breadth of the rectangle as parameters and the second function named as 'getArea' returns the area of the rectangle. Length and breadth of the rectangle are entered through keyboard.
3. WAP to display addition, subtraction, multiplication and division of two integers on screen.

Declare Class Calculation
Declare data member num1 and num2 in Private section
Write member function for initialize num1 and num2
Write member function for each operation.

4. WAP to find area of circle. Area of Circle = $\pi * r * r$ Where, $\pi = 3.14$ (Using Class and Object)
5. Write a C++ program to create a class for student to get and print details of a student. Following are the details of a student:

Studid, name ,sem, branch

6. Write a C++ program to demonstrate ATM money withdrawal process by taking following private data members:

Accountno, balance;

The withdrawal function should return remaining balance to the user and should deduct withdrawal amount from balance. If withdrawal amount > balance print appropriate message on screen (Not enough balance)

The Deposit function should return updated balance to user.

7. Write a C++ program to create a class for student to get and print details of a student. Following are the details of a student:

Student_id, Name, Branch,Sub1_mark,Sub2_mark,Sub3_mark,Sub4_mark,Sub5_mark

Write member function to calculate Percentage, Class (Dist,First,Second,Pass) of student

8. C++ program to create a class for Employee to get and display following Employee information:

Empcode, Basicsalary
Write Member function to calculate Net salary
DA=174% of Basic salary
HRA=10% of Basic salary
TA=500
Income tax=5 % of basic salary , if baic salary > 50000
Income tax=0 , if Basic salary <= 50000

Netsalary=(basic salary + da + hra + ta) – income tax

9. Do above program for 5 number of Employees.(Using Array of Object)

10. Write a program to read time in hh:mm:ss and display answer I n only seconds. For Example if user enters

2:15:30 then it should display 8130 seconds.

Input:

Enter Hours: 2

Enter minutes: 15

Seconds: 30

Output: 8130 seconds

