**C++ programming problems**

1. **Write a program to swap two values using function.**
2. **Write a program to calculate the area of a rectangle using constructor.**
3. Write a program and input two integers in main and pass them to default constructor of the class. Show the result of the addition of two numbers.
4. Write a program that asks the user for an integer number and find the sum of all natural numbers up to that number.
5. Write a program that ask for two numbers, compare them and show the maximum. Declare a function called max\_two that compares the numbers and returns the maximum.
6. Write a program with a mother class animal. Inside it define a name and an age variables, and set\_value() function. Then create two bases variables Zebra and Dolphin which write a message telling the age, the name and giving some extra information (e.g. place of origin).
7. Write a program that reverses a string and prints it on the screen.
8. Write a program that checks if the angles given can make a triangle or not (their sum must be 180 degrees).
9. Write a program that can Add, subtract, multiply, divide different classes members using friend Function
10. Write a program which calculates the sum of all odd numbers upto a particular limit. The limit will be an input to the program.