Assessment 1 ( 07-12-2023)

1. Write a program to calculate bonus of the employees. The class master derives the information from both admin and account classes which derives information from class person. Create base and all derived classes having same member functions and same parameters called getdata, display data and bonus.

2. Write a C++ program to demonstrate multiple inheritance by creating a class cuboid which extends class rectangle, class shape. It calculates area and volume. Use appropriate member functions and member variables.

3. Create a class Number and derive the class Skipper from Number. Write a program to print the numbers from M to N by skipping K numbers in between? Use appropriate functions and variables.

Sample Input:

M = 50

N = 100

K = 7

Sample Output:

50, 58, 66, 74, …..

Test cases:

* M = 15, N  = 05, K = 02
* M = 25, N  = 50, K = 04
* M = 15, N  = 100, K = -02
* M = 0 , N = 0 , K = 2
* M = 200 , N = 200 , K = 50

4. A Grandfather is the owner of 500Cr property, he wants to give this property to his grandson. In what are the possible ways to access this property by his grandson. Use appropriate functions and variables.