

Shree Adarsh BCA College -Botad
Core JAVA Practical Assignment-4
Submission-01/03/2022

[1] Define an interface AddSubtract with two methods void addition(int, int), void subtraction(int, int) and another interface MultiplyDivide with two methods void multiply(int, int) and void divide(int, int) extends first interface into second interface and implements the interface into suitable class.

[2] Create an interface containing division of two methods that float compute_area(float, float), float compute_perimeter(float, float).

Create two different classes rectangle and circle and implement above two methods in this class. In main two objects create rectangle and circle using new operator for assign then into an object of type interface and display area and perimeter respectively.

[3] Create your exception that will arise when length of string is less than 10.

[4] Write a program that will allow user to enter number through command line and calculate their division and handle all exceptions like user can provide 1, 2 two arguments that divide by exception will occur.

[5] Define an exception called "NoMatchFoundException" that is thrown when the String is not equal to "University". Write a program or this exception.

[6] Define method void division(int, int) which throws arithmetic exception which must be caught into main.

[7] Create two thread classes that one thread prints number divide by 2 and other thread prints number divide by 5 and that number is 1 to 50.