OOP Labsheet-2

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Practice problem-1

// To write java code that illustrates the use of break statement in Java.
// this program also demonstrates how to create named block of code

And See the output.

Practice problem-2

// Write code that illustrates the use of continue statement in Java.
Observe the output.

Practice Problem-3

Write a Java program that will create an array of integers where the size and elements are input by user with the help of Scanner class. First the size of the array is read, then the that many number of elements one after the other in the same order.

Once it is over, next, Compute the largest of the set of elements stored in array and print it.

Observe the output with different inputs.

Briefing on *System.out.println()* methos used to output strings on to Monitor.
Briefing on single-line and multiline comments in Java.
We have a built-in class String in Java to, create and manipulate strings, this class is in java.lang package.

Practice problem-4
// to demonstrate the basics of String class in java

Note we will discuss more on Strings and StringBuffer later.
Passing on Commandline arguments to a Java program.
// all arguments are passed on as strings.
briefing on Integer.parseInt()

Practice problem-5
// To demonstrate how to pass on CommandlineArguments in Java

Exercise-1:
Now write a java program to do the following.
1. Will ask the user to choose 1 for Circle, 2 for Rectangle, and 3 for square.
2. If circle is chosen (option-1) ask user to input the radius (int) then compute and display the perimeter of the shape.
3. If the Rectangle is chosen (option-2) ask user to input the length and breadth(both int), then compute and display the perimeter.
4. If the Square is chosen (option-3) ask user to input the side (int), then compute and display the perimeter.
5. This should continue till user press '0' (to quit).
6. Make it as interactive as possible.

Exercise 2: If time permits, Students can write a program to test type conversion mechanism in Java, float, int, Boolean literals etc.