

CSE321 Advanced Computer Programming

Lab 01

- 1) For each of the following geometric shapes, write a program that computes and prints both its area and perimeter:
 - a) A rectangle with width and height of 4 and 5.5 respectively
 - b) A square whose side equals 10
 - c) A circle whose radius equals 3.2Use floating-point numbers for all computations.

- 2) What is the exact output of the following program?

```
public class ContinueTest {
    public static void main(String[] args) {
for(int i=0;i<10;i++){
    if (i%2 == 0)
        continue;
    System.out.println(i+ " " + i * i);
    }
}
}
```

- 3) What if in the problem above continue is replaced by break?
- 4) Using nested loops, write a program that prints the character '*' repeatedly forming the triangular shape shown below.
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- 5) Write a method that computes and returns the sum of an array of integers.