Philip Pesic

Week 7

March 5 2023

Week 7 Prog 2

Exercise 2 - The Circle. In one program, write 3 separate functions, and use them.

Calculate area of circle, parameter radius.

Use math lib 'pow' function to help with calc: calcArea

Calculate diameter of circle, parameter radius: calcDiameter

Calculate circumference of circle, parameter radius: calcCircumference

```
package Prog2;
import java.lang.Math;
  public static void main(String[] args) {
      Scanner input = new Scanner(System.in);
      double radius = input.nextDouble();
      input.close();
```

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```
PROBLEMS OUTPUT DEBUG CONSOLE TERMNAL JUPYTER

- Programs git:[min] / cd //users/pippo/github/cs/B6/Neek//Programs : /usr/bin/env /Library/Java/Java/irtualMachines/teaurin-17.jdk/Contents/Home/bin/java -XX:-
Shockoefetails/InExcept-ioMessages -cp //Users/pippo/Library/Application\ Support/Code/User/workspaceStorage/25f41736764leaaaaeclfdabd65f5bca/redhat.java/jdt_ws/Pr
Enter Radius: 4.1
Forest Sci. 1811/25664442
Circumference: 25.761899799408
Circumference: 25.761899799408
Thilip Pesic 3/5/22
Frograms git:[main] / cd //Users/pippo/github/cs/B6/Neek7/Programs ; /usr/bin/env /Library/Java/JavaVirtualMachines/teaurin-17.jdk/Contents/Home/bin/java -XX:-
Shockoefetails/InExceptionMessages -cp //Users/pippo/Library/Application\ Support/Code/User/workspaceStorage/25f41736764leaaaaeclfdabd65f5bca/redhat.java/jdt_ws/Pr
Enter Radius: 7.
Area: 133-3988ea2e599985
Diameter: 14.8
Circumference: 43.982297150257184
Philip Pesic 3/5/23
```

I learned: How to use various functions in the math library