

TCSS141A - SPRING 2021 - HW #2 (FOR WEEK 3); max 15 points

DUE: Sun 04/18 @ 11:30pm, the assignment has to be submitted to the CANVAS

The name of the file: (your) lastname_2.py

Please start the program with: # your name

In the program you can use only methods and tools already introduced in the class!

Problem: Circle menu

Circle formulas (r ... radius):

$$circumference = 2\pi r$$

$$area = \pi r^2$$

Write a program that prompts a user to provide a radius of a circle and then, based on the wish of the user, displays the circumference and/or area of the circle with the entered radius. If the user doesn't pick a choice from the offered menu, the program displays "There is no such option in the menu."

Specification:

- Use math module to use exact value of π (math.pi)
- All displayed values should be rounded to two decimal places.
- The wish of the user should be done by offering a menu and receiving the user choice.

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See an example of possible program outputs for different inputs:

This program displays the circumference and/or the area of a circle.

Enter the radius of the circle: 17.2

What you would like to be displayed?

To display the circumference enter C.

To display the area enter A.

To display both enter B.

Enter your choice: B

The circumference of the circle is 108.07

The area of the circle is 929.41

>>>

RESTART: C:\Users\horaki\Desktop\TCSS141_WINTER2021\WEEK #3\4_HOMEWORK\TCSS141_21Q1_hw2_210124_circle_menu.py

This program displays the circumference and/or the area of a circle.

Enter the radius of the circle: 12.7

What you would like to be displayed?

To display the circumference enter C.

To display the area enter A.

To display both enter B.

Enter your choice: H

There is no such option in the menu.