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HW2: The Pizza Calculator

This code is a pizza value calculator which can calculate the cost of the given pizza price and size in dollars per square inch.

Here below are the things I did to develop the program and detailed explanations of how this program works:

1. In the beginning, I imported the math library in order to be able to access the accurate version of π (pi) later;
2. I set a variable called “diameter” which will take an input from user for the pizza size and store the number as an integer. Additionally, I set a variable called “price” which will take an input from user for the pizza price and store the number as a float;
3. The program will find the radius from the diameter by using the formula which can be found on *https://sciencing.com/radius-diameter-7254718.html*;
4. The program will then find the area from the radius by using the formula which can be found on https://en.wikipedia.org/wiki/Area_of_a_circle;
5. The cost of the given pizza price and size will be calculated in dollars per square inch and rounded to two decimal places by using the round function then the rounded number will be stored in a variable called “result”;
6. At the end, the program will print out the statement including the variable “result” in a decent form with using the f-strings feature.

This whole process went pretty well, with the detailed instructions written by our TA — Mike Wilson, I had better ideas of what I needed to do for each step. The program also worked very well as I tried out different sets of numbers for the pizza size and pizza price, the results were accurate.

I didn’t really encounter any problems or issues, however, there is one thing that I’d like to mention is — thanks to my classmate Logan Laity who asked the question in the discord group chat about how to get rid of the unnecessary space character between “$” and the number for “the cost of the given pizza price and size in dollars per square inch”, and thanks to Professor Bart Massey who told us about the f-strings feature which we haven’t learned yet. This definitely made my output more presentable.