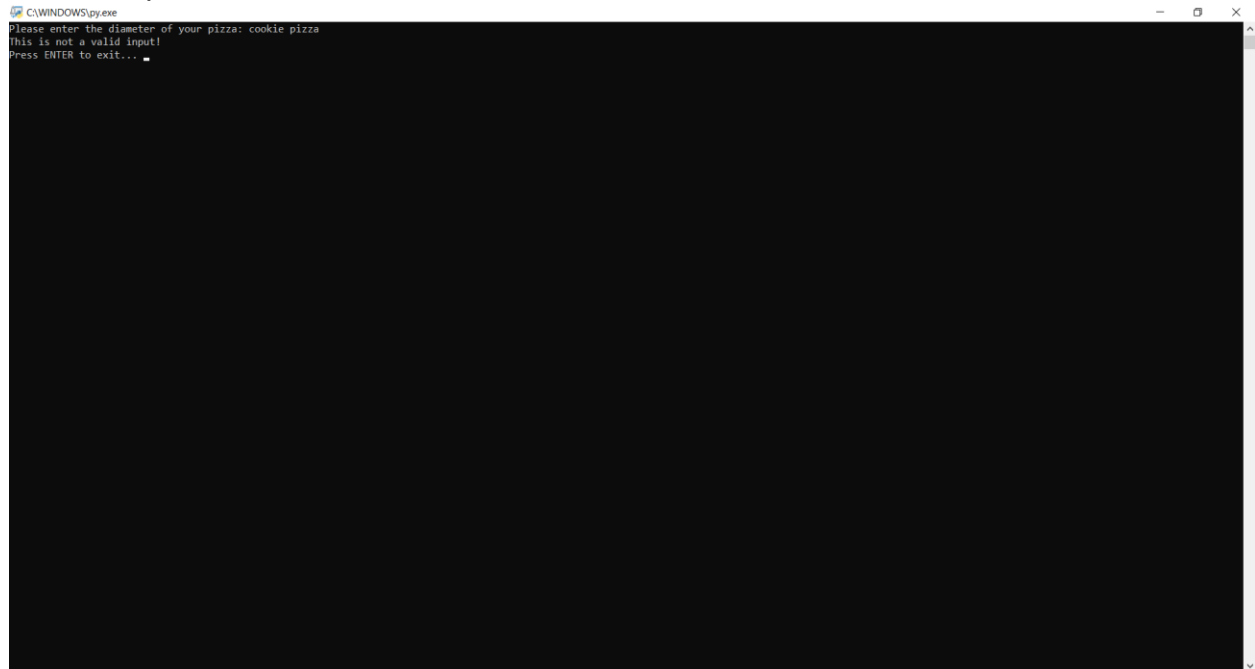


Lab 2 – Pizza Pi

Part 1: Initial Screen



Part 2: Input and Validation



This is when the user enters something that is not numeric such as “cookie pizza”



This is when the user enters a number lower than the valid range



This is when the user enters a number higher than the valid range

Part 3: Output

```
C:\WINDOWS\py.exe
Please enter the diameter of your pizza: 10
A diameter of less than 12 inches can cut in 6 slices.
The area of a 10 inch pizza is 78.5 in2.
Each slice will be worth 1.67 inches
Every slice will measure an angle of 60.0 °
Press ENTER to exit...
```

This size is worth 10 inches and will cut 6 60°-slices

```
C:\WINDOWS\py.exe
Please enter the diameter of your pizza: 30
A diameter of over 20 inches can cut in 16 slices.
The area of a 30 inch pizza is 706.5 in2.
Each slice will be worth 1.88 inches
Every slice will measure an angle of 30.0 °
Press ENTER to exit...
```

This size is worth 30 inches and will cut 16 30°-slices

```
C:\WINDOWS\py.exe
Please enter the diameter of your pizza: 15
A diameter of 14 inches up to less than 16 inches can cut in 10 slices.
The area of a 7.5 inch pizza is 176.625 in².
Each slice will be worth 1.5 inches
Every slice will measure an angle of 36.0 °
Press ENTER to exit...
```

This size is worth 15 inches and will cut 10 36°-slices

Part 4: Questions

Question 1: What constants did I use in this lab?

I have used a constant of pizzadiam in this lab. This is used to find the diameter of the pizza.

Question 2: What variables did I use in this lab?

I have used pizzarad and area as my variables in this lab. The pizzarad variable can be used to find the radius of the pizza by splitting the diameter in half. This is used to find the area which is πr^2 .