

Output

Chapter 2

```
#1 convert():
```

```
Welcome to temperature convertor
```

```
This Program will convert from celsius to fahrenheit
```

```
What is the celsius temperature? 30
```

```
The temperature is 86.0 degrees fahrenheit.
```

```
#3 convert2():
```

```
What is the celsius temperature? 5
```

```
The temperature is 41.0 degrees fahrenheit.
```

```
What is the celsius temperature? 7
```

```
The temperature is 44.6 degrees fahrenheit.
```

```
What is the celsius temperature? 9
```

```
The temperature is 48.2 degrees fahrenheit.
```

```
What is the celsius temperature? 11
```

```
The temperature is 51.8 degrees fahrenheit.
```

```
What is the celsius temperature? 13
```

```
The temperature is 55.400000000000006 degrees fahrenheit.
```

```
Done
```

```
#9 km2miles():
```

```
Welcome to km2miles
```

```
This Program will convert from km to miles
```

```
Please Enter distance in kilometers: 12
```

```
The distance is 7.4399999999999995 miles
```

Output

```
#11 calculuator():
```

```
Welcome to Interactive Calculator
```

```
Enter expression:7-6
```

```
Result: 1
```

```
Enter expression:7*6
```

```
Result: 42
```

```
Enter expression:8*(6+5)
```

```
Result: 88
```

```
Enter expression:8/5
```

```
Result: 1.6
```

```
Enter expression:9/5
```

```
Result: 1.8
```

```
Chapter 3
```

```
#1 sphereAreaVolume():
```

```
Welcome to sphereAreaVolume
```

```
This function will calculate the sphere volume and area
```

```
Please enter radius: 6
```

```
The sphere has an area of 452.3893421169302 and a volume of  
904.7786842338603
```

```
#2 costOfPizza():
```

Output

```
This function calculates the cost per square inch of a pizza
Pleasea enter diameter and price separated by comma: 10, 40
The cost per square inch is 0.5092958178940651
```

```
#3 weight():
```

```
Welcome, this function will calculate the molecular weight:
```

```
Enter number of hydrogen atoms:7
```

```
Enter number of carbon atoms :8
```

```
Enter number of oxygen atoms :6
```

```
_____Weight_____
```

```
Hydrogen:          7.06gm/mol
```

```
Carbon   :          96.09gm/mol
```

```
Oxygen    :          96.00gm/mol
```

```
#12 sumCube():
```

```
Welcome this program will calculate the sum of cube of the first
n natural numbers
```

```
Enter a number as the limit:5
```

```
The sum of the first 5th natural numbers is 225
```

```
#13 sumSeries():
```

```
Welcome, this program will sum a series of numbers entered by
the user
```

```
How many numbers do you want to add? 5
```

```
Enter a number: 1
```

Output

```
Enter a number: 2
Enter a number: 3
Enter a number: 4
Enter a number: 5
The result is: 15
```

```
#14 averageSeries():
```

```
Welcome, this function will average a series of numbers entered
by the user
```

```
How many numbers do you want to submit? 5
```

```
Enter a number: 1
Enter a number: 2
Enter a number: 3
Enter a number: 4
Enter a number: 5
The result is: 3.0
```

```
#16 fibonacci():
```

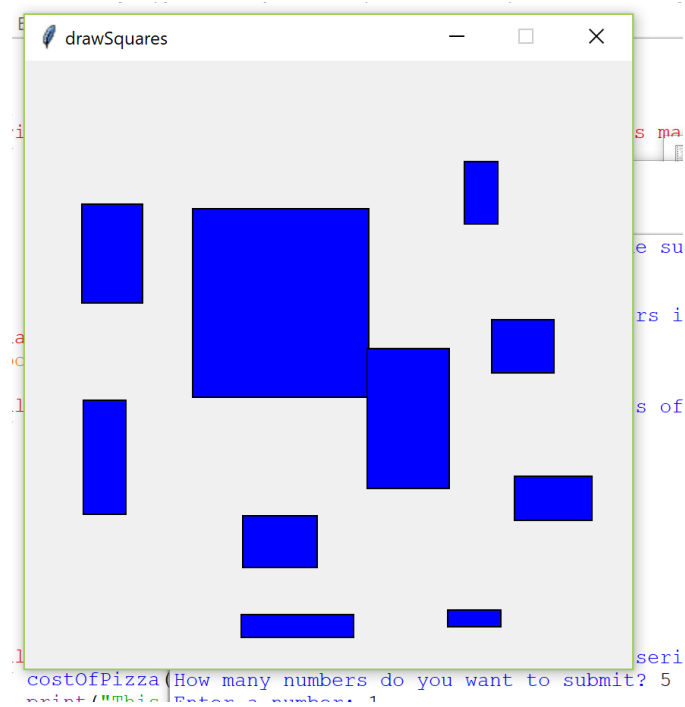
```
Welcome, This function computes nth fib number
```

```
Enter a number: 5
5th fibonacci is: 5
```

Chapter 4

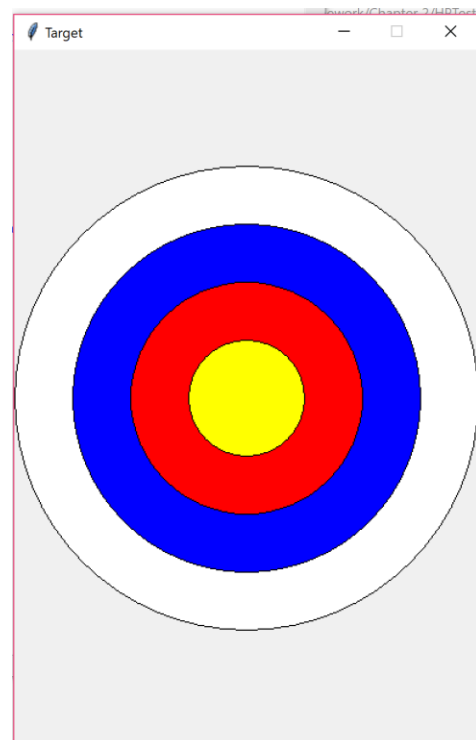
Output

```
#1 drawSquares():
```



Click again to quit

```
#2 archeryTarget():
```

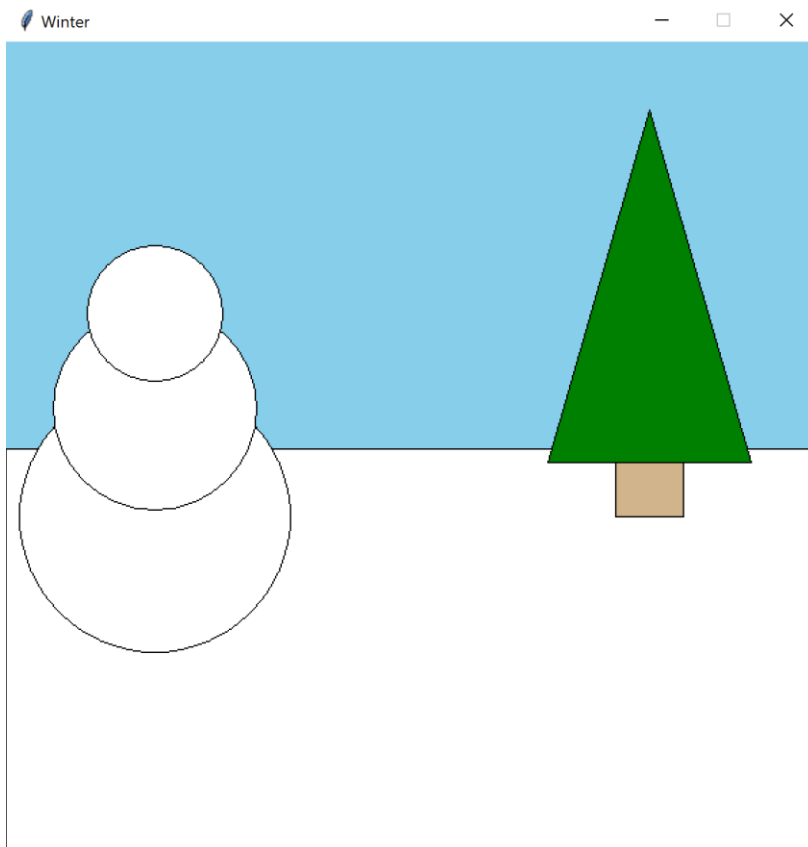


Output

#3 face():



#4 winter():



Output

```
#7 intersection():
```

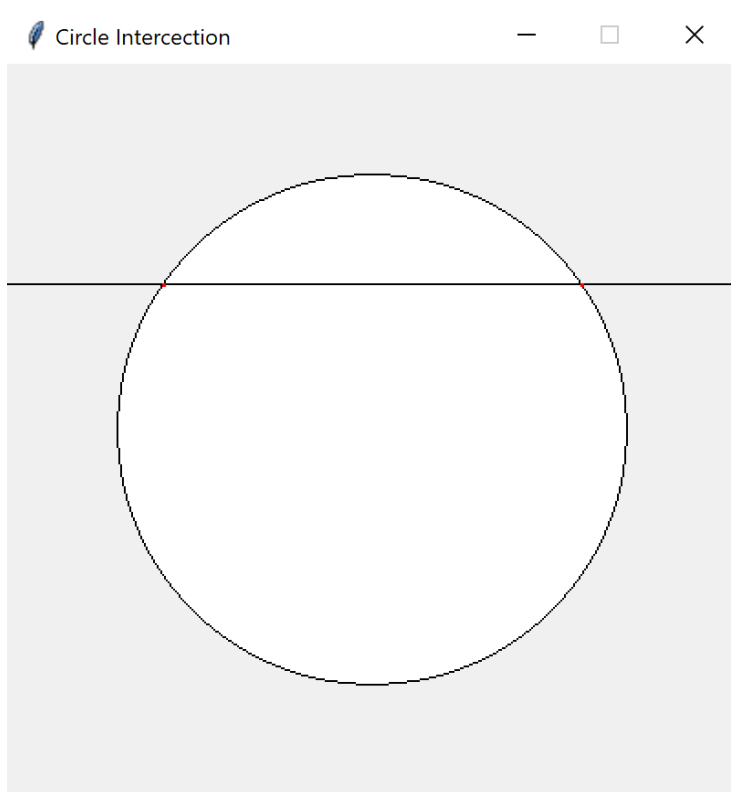
Welcome

This function will display a circle at the center and given radius, and y-intercept

Please enter radius (0 to 10): 7

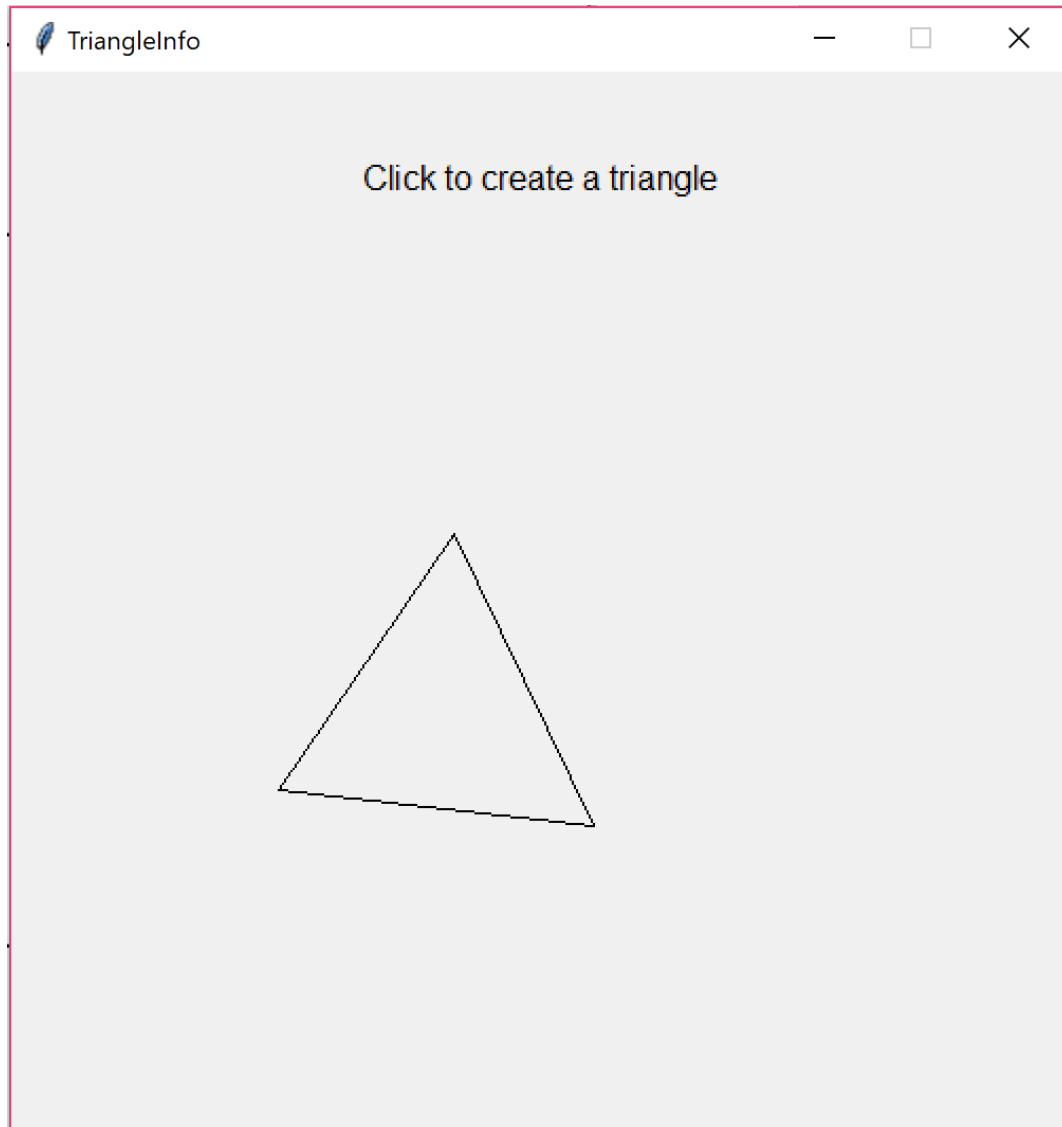
Please enter y-intercept (-10 to 10) yint <= radius: 4

x1:5.745, x2:-5.745



Output

```
#10 triangleInfo():
```



Area is 562.402

Perimeter is 108.305

Output

```
#11 fiveClickHome():
```

