

Function_Assignment

master

Current File

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functionAssignment.py

```
1 import math
2
3 def main(): 1 usage
4     # Calculate the area of a circle
5     radius = int(input("Enter radius: "))
6     circle_area = calculate_area_circle(radius)
7     # area = round(area, 2). This will also round
8     print(circle_area)
9
10    # Calculate total bill due
11    price = int(input("Money: "))
12    tax = float(input("Tax Rate percent: "))
13    total = calculate_taxes_due(price, tax)
14    print(total)
15
```

Run functionAssignment

Enter radius: 10

314.16

Money: 20

Tax Rate percent: 6

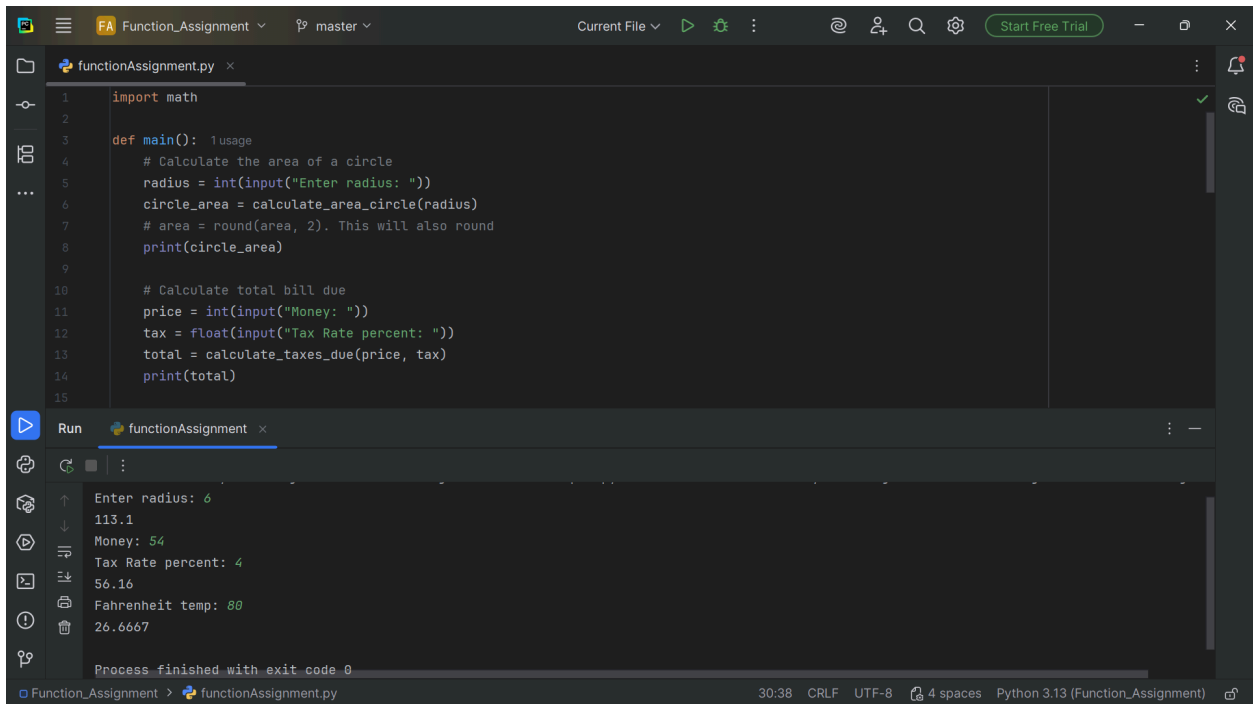
21.2

Fahrenheit temp: 32

0.0

Process finished with exit code 0

Function_Assignment > functionAssignment.py 30:38 CRLF UTF-8 4 spaces Python 3.13 (Function_Assignment)



The screenshot shows a code editor with a file named `functionAssignment.py`. The code defines a `main` function that prompts the user for a radius and a tax rate, then calculates the area of a circle and the total bill due. The execution output shows the results of these calculations for the input values 6 and 4.

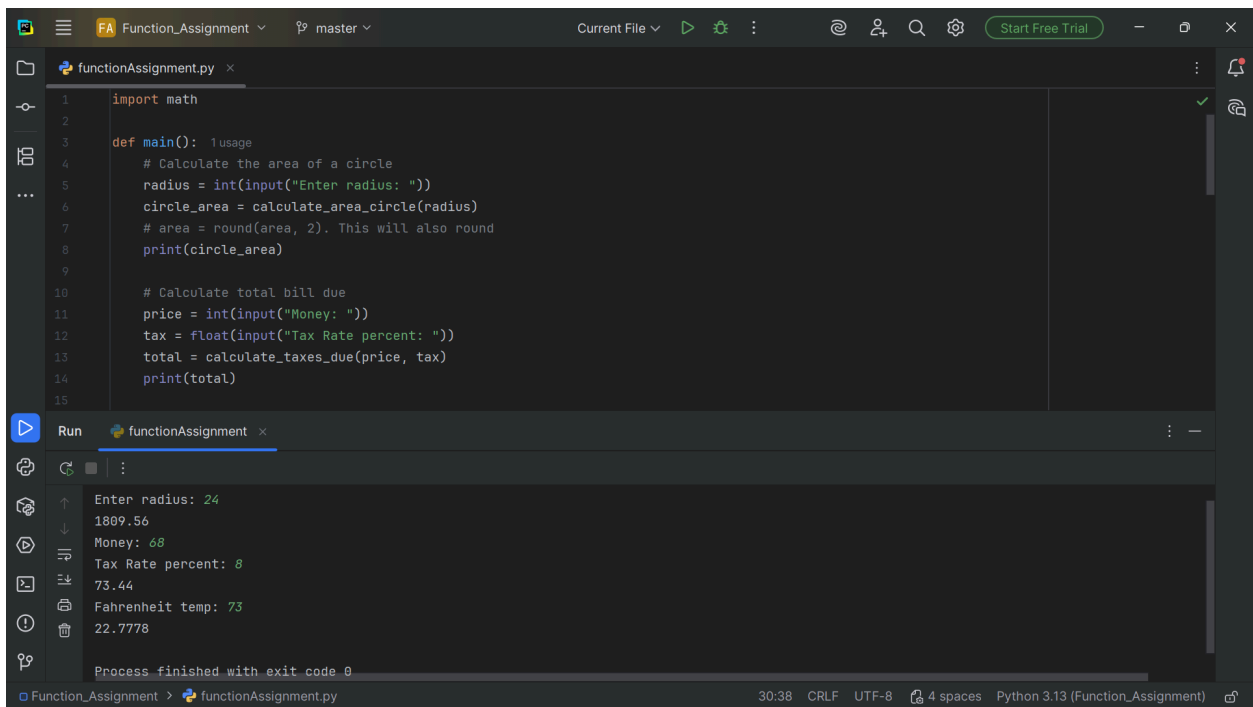
```
1 import math
2
3 def main():
4     # Calculate the area of a circle
5     radius = int(input("Enter radius: "))
6     circle_area = calculate_area_circle(radius)
7     # area = round(area, 2). This will also round
8     print(circle_area)
9
10    # Calculate total bill due
11    price = int(input("Money: "))
12    tax = float(input("Tax Rate percent: "))
13    total = calculate_taxes_due(price, tax)
14    print(total)
15
```

Run functionAssignment

Enter radius: 6
113.1
Money: 54
Tax Rate percent: 4
56.16
Fahrenheit temp: 80
26.6667

Process finished with exit code 0

Function_Assignment > functionAssignment.py 30:38 CRLF UTF-8 4 spaces Python 3.13 (Function_Assignment)



The screenshot shows the same code editor with the same Python script. The execution output shows the results of these calculations for the input values 24 and 8.

```
1 import math
2
3 def main():
4     # Calculate the area of a circle
5     radius = int(input("Enter radius: "))
6     circle_area = calculate_area_circle(radius)
7     # area = round(area, 2). This will also round
8     print(circle_area)
9
10    # Calculate total bill due
11    price = int(input("Money: "))
12    tax = float(input("Tax Rate percent: "))
13    total = calculate_taxes_due(price, tax)
14    print(total)
15
```

Run functionAssignment

Enter radius: 24
1809.56
Money: 68
Tax Rate percent: 8
73.44
Fahrenheit temp: 73
22.7778

Process finished with exit code 0

Function_Assignment > functionAssignment.py 30:38 CRLF UTF-8 4 spaces Python 3.13 (Function_Assignment)

The screenshot shows the PyCharm IDE with a file named `functionAssignment.py` open. The code defines a `main` function that prompts the user for a radius, calculates the area of a circle, prompts for a price and tax rate, calculates the total bill, and prompts for a Fahrenheit temperature to convert to Celsius. The code is as follows:

```
1 import math
2
3 def main():
4     # Calculate the area of a circle
5     radius = int(input("Enter radius: "))
6     circle_area = calculate_area_circle(radius)
7     # area = round(area, 2). This will also round
8     print(circle_area)
9
10    # Calculate total bill due
11    price = int(input("Money: "))
12    tax = float(input("Tax Rate percent: "))
13    total = calculate_taxes_due(price, tax)
14    print(total)
15
```

The Run console shows the following output:

```
Run functionAssignment
C:\Users\mkara\PycharmProjects\Function_Assignment\.venv\Scripts\python.exe C:\Users\mkara\PycharmProjects\Function_Assignment\functionAssignment.py
Enter radius: 2
12.57
Money: 68
Tax Rate percent: 8
73.44
Fahrenheit temp: 42
5.5556
```

The status bar at the bottom indicates the file is `functionAssignment.py`, the encoding is `UTF-8`, and the Python version is `Python 3.13 (Function_Assignment)`.

The screenshot shows the PyCharm IDE with the same file `functionAssignment.py` open. The code is identical to the first screenshot. The Run console shows the following output:

```
Run functionAssignment
Enter radius: 1
3.14
Money: 68
Tax Rate percent: 8
73.44
Fahrenheit temp: 42
5.5556
Process finished with exit code 0
```

The status bar at the bottom indicates the file is `functionAssignment.py`, the encoding is `UTF-8`, and the Python version is `Python 3.13 (Function_Assignment)`.