Assignment - 4 User Input Problems

September 4, 2022

1 Question 1. Write a python script to take your name as input from the user and then print it.

[1]:
```
print("Your entered name is",input("Please,Enter your name "))
```

```
Please,Enter your name Arnab
Your entered name is Arnab
```

2 Question 2. Write a python script to take input from the user. Input must be a number.

[2]:
```
number = int(input("Please,Enter a number "))
print("Your entered number is: {}\nDatatype of that number is: {}".
  ↪format(number,type(number)))
```

```
Please,Enter a number 5
Youe entered number is: 5
Datatype of that number is: <class 'int'>
```

3 Question 3. Write a python script which takes two numbers from the user, then calculate their sum and display the result.

[3]:
```
number_1 = int(input("Please,Enter the first number "))
number_2 = int(input("Please,Enter the second number "))
print("Sum of two number is", (number_1+number_2))

# sum = number_1 + number_2
# print("Sum of two number is",sum)
```

```
Please,Enter the first number 5
Please,Enter the second number 6
Sum of two number is 11
```

4 Question 4. Write a python script which takes the radius from the user and display area of a circle.

[4]:
```
import math
radius_of_the_circle = float(input("Please,Enter the radius of the circle "))
print("Area of the circle is",(math.pi*(radius_of_the_circle**2)))

# area_of_the_circle = (math.pi*(radius_of_the_circle**2))
# print("Area of the circle is",area_of_the_circle)
```

```
Please,Enter the radius of the circle 5
Area of the circle is 78.53981633974483
```

5 Question 5. Write a python script to calculate the square of a number. Number is entered by the user.

[5]:
```
number = float(input("Please,Enter a number "))
print("Square of that input number is:",(number**2))
```

```
Please,Enter a number 5
Square of that input number is: 25.0
```

6 Question 6. Write a python script to calculate the area of Triangle. Number is entered by the user.

[6]:
```
base_of_the_triangle = float(input("Please,Enter the Length of the Base "))
height_of_the_triangle = float(input("Please,Enter the Length of the Height "))

print("Area of the Triangle is",((base_of_the_triangle *␣
 ↪height_of_the_triangle)/2))

# area_of_the_triangle = ((base_of_the_triangle * height_of_the_triangle)/2)
# print("Area of the Triangle is",area_of_the_triangle)
```

```
Please,Enter the Length of the Base 5
Please,Enter the Length of the Height 6
Area of the Triangle is 15.0
```

7 Question 7. Write a python script to calculate average of three numbers, entered by the user.

[7]:
```
number_1 = float(input("Please,Enter the first number "))
number_2 = float(input("Please,Enter the second number "))
number_3 = float(input("Please,Enter the third number "))
```

```
print("Average of three number is:",((number_1+number_2+number_3)/3))

# average_of_these_three_number = ((number_1+number_2+number_3)/3)
# print("Average of three number is:",average_of_these_three_number)
```

```
Please,Enter the first number 5
Please,Enter the second number 6
Please,Enter the third number 7
Average of three number is: 6.0
```

8 Question 8. Write a python script to calculate simple interest.

[8]:
```
principal_amount = float(input("Please,Enter the Principal Amount "))
rate_of_interest = float(input("Please,Enter the Rate of Interest "))
year_for_the_investment = float(input("Please,Enter the Year of the Investment␣
 ↪"))

print("Amount of Simple␣
 ↪Interest",((principal_amount*rate_of_interest*year_for_the_investment)/100))

# simple_interest_amount =␣
 ↪((principal_amount*rate_of_interest*year_for_the_investment)/100)
# print("Amount of Simple Interest",simple_interest_amount)
```

```
Please,Enter the Principal Amount 1000
Please,Enter the Rate of Interest 5
Please,Enter the Year of the Investment 1
Amount of Simple Interest 50.0
```

9 Question 9. Write a python script to calculate the volume of a cuboid.

[9]:
```
length_of_the_cuboid = float(input("Please,Enter the length of the Cuboid "))
width_of_the_cuboid = float(input("Please,Enter the width of the Cuboid "))
height_of_the_cuboid = float(input("Please,Enter the height of the Cuboid "))

print("Volume of the cuboid␣
 ↪is",(length_of_the_cuboid*width_of_the_cuboid*height_of_the_cuboid))

# area_of_the_cuboid =␣
 ↪(length_of_the_cuboid*width_of_the_cuboid*height_of_the_cuboid)
# print("Volume of the cuboid is",area_of_the_cuboid)
```

```
Please,Enter the length of the Cuboid 5
Please,Enter the width of the Cuboid 5
Please,Enter the height of the Cuboid 5
Volume of the cuboid is 125.0
```

10 Question 10. Write a python script to calculate area of a rectangle.

[10]:
```
length_of_the_rectangle = float(input("Please,Enter the length of the rectangle␣
 ↪"))
breadth_of_the_rectangle = float(input("Please,Enter the breadth of the␣
 ↪rectangle "))

print("Area of the rectangle␣
 ↪is",(length_of_the_rectangle*breadth_of_the_rectangle))

# area_of_the_rectangle = (length_of_the_rectangle*breadth_of_the_rectangle)
# print("Area of the rectangle is",area_of_the_rectangle)
```

```
Please,Enter the length of the rectangle 5
Please,Enter the breadth of the rectangle 6
Area of the rectangle is 30.0
```