In [1]:
```python
message = "Hello World!"
print(message)
```

Hello World!

In [6]:
```python
print('"Happiness can be found, even in the darkest of times, if one only remembers to
```

"Happiness can be found, even in the darkest of times, if one only remembers to turn
on the light." — Albus Dumbledore.

In [1]:
```python
radius = (float(input("please enter radius of circle:")))
pi = 3.1428
area_of_circle = pi*(radius**2)
print(f"area_of_circle with  radius {radius} is: " ,area_of_circle)
```

please enter radius of circle:0.5
area_of_circle with radius 0.5 is: 0.7857

In [2]:
```python
num = float(input("Enter a number: "))
if num > 0:
    print("Positive number")
elif num == 0:
    print("Zero")
else:
    print("Negative number")
```

Enter a number: 6
Positive number

In [4]:
```python
num = float(input("Enter a number: "))
if num > 0:
    print("Positive number")
elif num == 0:
    print("Zero")
else:
    print("Negative number")
```

Enter a number: 0
Zero

In [6]:
```python
character = input("Enter a Letter: ")
vowels = ["A","a","E","e","I","i","O","o","U","u"]
if character in vowels:
    print("Letter", character, "is a vowel")
else:
    print("Letter", character, "is not a vowel")
```

Enter a Letter: y
Letter y is not a vowel

In [9]:
```python
height = int(input("Enter your Height in cms:"))
weight = int(input("Enter your Weight in kgs:"))
BMI = weight/(height/100)**2
print(f"Your BMI is: {BMI}")
```

Enter your Height in cms:170
Enter your Weight in kgs:47
Your BMI is:16.262975778546714

In [1]:
```python
my_friends = ["Ramsha","Fizza","Aisha","Urooj","Mariam","Kulsoom"]
```

```
print(my_friends[0])
print(my_friends[1])
print(my_friends[2])
print(my_friends[3])
print(my_friends[4])
print(my_friends[5])
```

```
Ramsha
Fizza
Aisha
Urooj
Mariam
Kulsoom
```

In [8]:
```python
my_friends = ["Ramsha","Fizza","Aisha","Urooj","Mariam","Kulsoom"]
print(my_friends[0], "You're an amazing person!")
print(my_friends[1], "You're an amazing person!")
print(my_friends[2], "You're an amazing person!")
print(my_friends[3], "You're an amazing person!")
print(my_friends[4], "You're an amazing person!")
print(my_friends[5], "You're an amazing person!")
```

```
Ramsha You're an amazing person!
Fizza You're an amazing person!
Aisha You're an amazing person!
Urooj You're an amazing person!
Mariam You're an amazing person!
Kulsoom You're an amazing person!
```

In [10]:
```python
foods = ["Pasta","Ramen","Mac n Cheese","Pizza","Dynamite Prawns","Chicken Chowmein","
print("The first three items in the food list are :", foods[:3] )
print("The first three items in the food list are :", foods[3:6] )
print("The first three items in the food list are :", foods[-3:] )
```

```
The first three items in the food list are : ['Pasta', 'Ramen', 'Mac n Cheese']
The first three items in the food list are : ['Pizza', 'Dynamite Prawns', 'Chicken Ch
owmein']
The first three items in the food list are : ['Grilled Cheese', 'Chicken Burger', 'Fr
ench Fries']
```

In [16]:
```python
foods = ["Pasta","Ramen","Mac n Cheese","Pizza","Dynamite Prawns","Chicken Chowmein","
         "Chicken Burger","French Fries"]
friend_foods = ["Pasta","Ramen","Mac n Cheese","Pizza","Dynamite Prawns","Chicken Chow
         "Chicken Burger","French Fries"]
foods.append("Fried Fish")
friend_foods.append("Lobster")
print("My food: " + "\n")
for food in foods:
    print("My favorite food is:",food)
print("\n" + "My friend's food:" + "\n")
for friend_food in friend_foods:
    print("My friend's favorite food is:", friend_food)
```

```
My food:

My favorite food is: Pasta
My favorite food is: Ramen
My favorite food is: Mac n Cheese
My favorite food is: Pizza
My favorite food is: Dynamite Prawns
My favorite food is: Chicken Chowmein
My favorite food is: Grilled Cheese
My favorite food is: Chicken Burger
My favorite food is: French Fries
My favorite food is: Fried Fish

My friend's food:

My friend's favorite food is: Pasta
My friend's favorite food is: Ramen
My friend's favorite food is: Mac n Cheese
My friend's favorite food is: Pizza
My friend's favorite food is: Dynamite Prawns
My friend's favorite food is: Chicken Chowmein
My friend's favorite food is: Grilled Cheese
My friend's favorite food is: Chicken Burger
My friend's favorite food is: French Fries
My friend's favorite food is: Lobster
```

In [ ]: