In [ ]:
```
# Wap ask the user take three numbers and find the average
# print : the average of 10,20 and 30 is : avg
#        format
#       f string
```

In [4]:
```
def average():
    try:
        n1=eval(input('Enter Number1 :'))
        n2=eval(input('Enter Number2 :'))
        n3=eval(input('Enter Number3 :'))
        avg= round((n1+n2+n3)/3)
        print(f'The Average of {n1},{n2},{n3} is {avg}')
    except Exception as e:
        print(type(e).__name__)
average()
```

```
The Average of 3,4,5 is 4
```

In [1]:
```
def average(n1,n2,n3):
    try:
        avg= round((n1+n2+n3)/3)
        print(f'The Average of {n1},{n2},{n3} is {avg}')
    except Exception as e:
        print(type(e).__name__)
n1=eval(input('Enter Number1 :'))
n2=eval(input('Enter Number2 :'))
n3=eval(input('Enter Number3 :'))
average(n1,n2,n3)
```

```
The Average of 4,5,6 is 5
```

In [ ]:
```
# wap take the radidus of a circle calculate area of the circle
# var: radidus
# var: pi=3.14
# formuale: pi*radius*radius
# print the answers using f string and format
```

In [8]:
```
def radiusOfCircle():
    try:
        radius=eval(input('Enter Radius of Circle'))
        pie=3.14
        area=round((pie*radius*radius))
        print(f'The Area of the circle with radius {radius} is : {area}')
        print('The Area of the circle with radius {} is : {}'.format(radius,area))
    except Exception as e:
       print(type(e).__name__)
radiusOfCircle()
```

```
The Area of the circle with radius 4 is : 50
The Area of the circle with radius 4 is : 50
```

In [3]:
```
def radiusOfCircle(radius):
    try:
        pie=3.14
        area=round((pie*radius*radius))
```

```
        print(f'The Area of the circle with radius {radius} is : {area}')
        print('The Area of the circle with radius {} is : {}'.format(radius,area))
    except Exception as e:
       print(type(e).__name__)
radius=eval(input('Enter Radius of Circle'))
radiusOfCircle(radius)
```

```
The Area of the circle with radius 5 is : 78
The Area of the circle with radius 5 is : 78
```

In [ ]:
```
# wap take the breadth and height of a right angle triangle
# calculate the area
# var1: bredath  var2: height
# formuale : 0.5*breadth*height
```

In [12]:
```
def areaOfTriangle():
    try:
        breadth=eval(input('Enter Breadth of the RightAngleTriangle'))
        height=eval(input('Enter Height of the RightAngleTriangle'))
        area=(0.5*breadth*height)
        print(f'The Area of RightAngleTriangle with breadth {breadth} and height {h
    except Exception as e:
        print(type(e).__name__)
areaOfTriangle()
```

```
The Area of RightAngleTriangle with breadth 4 and height 5 is 10.0
```

In [5]:
```
def areaOfTriangle(breadth,height):
    try:
        area=(0.5*breadth*height)
        print(f'The Area of RightAngleTriangle with breadth {breadth} and height {h
    except Exception as e:
        print(type(e).__name__)
breadth=eval(input('Enter Breadth of the RightAngleTriangle'))
height=eval(input('Enter Height of the RightAngleTriangle'))
areaOfTriangle(breadth,height)
```

```
The Area of RightAngleTriangle with breadth 5 and height 6 is 15.0
```

In [ ]:
```
# wap take the bill amount and tip amount
# calculate total bill
# var1: bill amount var2: tip amount
# formuale
```

In [14]:
```
def billPay():
    try:
        billamount=eval(input('Enter The Bill Amount'))
        tippercentage=eval(input('Enter the Percentage of Bill Amount as Tip'))
        tipamount2=billamount*(tippercentage)/100
        totalbil2=(tipamount2+billamount)
        print(f'The total Bill Amount which includes actual bill {billamount} and t
    except Exception as e:
        print(type(e).__name__)
billPay()
```

```
The total Bill Amount which includes actual bill 3000 and tip of 1200.0 is 4200.0
```

In [7]:
```
def billPay(billamount,tippercentage):
    try:
        tipamount2=billamount*(tippercentage)/100
        totalbil2=(tipamount2+billamount)
        print(f'The total Bill Amount which includes actual bill {billamount} and t
    except Exception as e:
        print(type(e).__name__)
billamount=eval(input('Enter The Bill Amount'))
tippercentage=eval(input('Enter the Percentage of Bill Amount as Tip'))
billPay(billamount,tippercentage)
```

```
The total Bill Amount which includes actual bill 2000 and tip of 600.0 is 2600.0
```

In [ ]:
```
# wap take the length and breadth of a rectangle calculate area
# var1: length var2: breadth
# formulae: length * breadth
```

In [16]:
```
def areaOfRectangle():
    try:
        var1=eval(input('Enter Length of Rectangle'))
        print(type(var1))
        var2=eval(input('Enter Breadth of Rectangle'))
        arear=(var1*var2)
        print(f'The Area of Rectangle with Length {var1} and Breadth {var2} is : {a
    except Exception as e:
        print(type(e).__name__)
areaOfRectangle()
```

```
<class 'int'>
The Area of Rectangle with Length 4 and Breadth 5 is : 20
```

In [9]:
```
def areaOfRectangle(var1,var2):
    try:
        arear=(var1*var2)
        print(f'The Area of Rectangle with Length {var1} and Breadth {var2} is : {a
    except Exception as e:
        print(type(e).__name__)
var1=eval(input('Enter Length of Rectangle'))
var2=eval(input('Enter Breadth of Rectangle'))
areaOfRectangle(var1,var2)
```

```
The Area of Rectangle with Length 5 and Breadth 6 is : 30
```

In [ ]:
```
# Wap ask the user take one random number
#                  take one user number
#                  if both are match print won  otherwise loss
```

In [32]:
```
import random
def lottery(n):
    x=random.randrange(1,5)
    print(x)
    if(x==n):
        print('Congratulations You Won Lottery')
    else:
        print('Better Luck Next time!')
```

```
x=eval(input('Please enter a number between 1 & 5'))
lottery(x)
```

```
3
Congratulations You Won Lottery
```