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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
# idea:
#
```

```
In [35]: import random
n1=random.randint(10,20)
n2=random.randint(30,40)
n3=random.randint(50,60)
avg=round((n1+n2+n3)/3,2)
print('The Average of {},{} and {} is : {}'.format(n1,n2,n3,avg))
print(f'The Average of {n1},{n2} and {n3} is : {avg}')
```

The Average of 10,38 and 55 is : 34.33

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```
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 [9]: import random
import math
radius=random.randint(10,20)
area=round((math.pi*radius*radius),1)
print(f'The Area of the circle with radius {radius} is : {area}')
print('The Area of the circle with radius {} is : {}'.format(radius,area))
```

The Area of the circle with radius 17 is : 907.9

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

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In [11]: breadth=random.randint(10,20)
height=random.randint(30,40)
area=(0.5*breadth*height)
print(f'The Area of RightAngleTriangle with breadth {breadth} and height {height} i
print('The Area of RightAngleTriangle with breadth {} and height {} is : {}'.format
```

The Area of RightAngleTriangle with breadth 13 and height 38 is : 247.0

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

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In [15]: billamount=random.randint(900,1000)
tippercentage=random.randint(50,60)
print(f'Tip Percentage is {tippercentage} %')
tipamount2=billamount*(tippercentage)/100
totalbil2=(tipamount2+billamount)
print(f'The total Bill Amount which includes actual bill {billamount} and tip of {t
print('The total Bill Amount which includes actual bill {} and tip of {} is : {}'.f
```

Tip Percentage is 54 %

The total Bill Amount which includes actual bill 939 and tip of 507.06 is : 1446.06

The total Bill Amount which includes actual bill 939 and tip of 507.06 is : 1446.06

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

```
In [17]: var1=random.randint(20,30)
print(type(var1))
var2=random.randint(40,50)
arear=(var1*var2)
print(f'The Area of Rectangle with Length {var1} and Breadth {var2} is : {arear}')
print('The Area of Rectangle with Length {} and Breadth {} is : {}'.format(var1,var
```

<class 'int'>

The Area of Rectangle with Length 30 and Breadth 49 is : 1470

The Area of Rectangle with Length 30 and Breadth 49 is : 1470

```
In [ ]: #-----
# wap take the amount assume that amount in dollars
#      convert into rupees
#      1$=85rs
```

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In [27]: dollars=random.randint(100,200)
print(dollars)
amountinrupees=dollars*85
print(f'The Exchange Amount for given {dollars}$ is {amountinrupees}/- Indian Rupee
```

152

The Exchange Amount for given 152\$ is 12920/-

```
In [ ]: # wap take the weight in kgs
#      convert into pounds
#      1kg=2.2pounds
```

```
In [33]: weightinkgs =random.randint(50,90)
print(weightinkgs)
weightinpounds = weightinkgs*2.2
print(f'For given weight of {weightinkgs} kgs is equal to {weightinpounds} pounds')
```

67

For given weight of 67 kgs is equal to 147.4 pounds

```
In [ ]:
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