

```
In [1]: # print is use for answer
```

```
In [3]: a=10  
b=20  
a  
b
```

```
Out[3]: 20
```

```
In [4]: a=10  
b=20  
print(a)  
print(b)
```

```
10  
20
```

```
In [5]: print(10)  
print(10,20)  
print('python')  
print(10,20,'python')
```

```
10  
10 20  
python  
10 20 python
```

```
In [6]: num1=20  
num2=30  
add=num1+num2  
print(add)
```

```
50
```

print result with string

```
In [7]: num1=20  
num2=30  
add=num1+num2  
print('The addition of',num1,'and',num2,'is=',add)
```

```
The addition of 20 and 30 is= 50
```

```
In [8]: name='Python'  
age=20  
city='hyd'  
#hello my name is python and i am 10 year old from hyderabad
```

```
In [10]: print('My name is',name,'and i am',age,'years old from',city)
```

```
My name is Python and i am 20 years old from hyd
```

print format method

```
In [11]: num1=20  
num2=30  
add=num1+num2  
print('the addition of {} and {} is= {}'.format(num1,num2,add))
```

the addition of 20 and 30 is= 50

```
In [12]: name='sidra'
age=21
city='hyd'
#hello my name is sidra and i am 20 years old from hyderabad
```

```
In [13]: print('hello my name is {} and i am {} years old from {}'.format(name,age,city))
```

hello my name is sidra and i am 21 years old from hyd

```
In [15]: num1=100
num2=25
num3=333
avg=(num1+num2+num3)/3 #or we can use avg=round(num1+num2+num3)/3,2
avg1=round((num1+num2+num3)/3,2)
# the average of num1,num2,num3 is = avg

print('The average of {}, {}, and {} is= {} or {}'.format(num1,num2,num3,avg,avg1))
```

The average of 100, 25, and 333 is= 152.66666666666666 or 152.67

```
In [16]: round(avg,2) # round of till 2 digit after decimal
```

```
Out[16]: 152.67
```

```
In [17]: num1=20
num2=30
add=num1+num2
print(f'The addition of {num1} and {num2} is= {add}') # always prefer this
```

The addition of 20 and 30 is= 50

```
In [18]: name='sidra'
age=21
city='hyd'
#hello my name is sidra and i am 20 years old from hyderabad
```

```
In [20]: print(f'hello my name is {name} and i am {age} years old from {city}.')
```

hello my name is sidra and i am 21 years old from hyd.

```
In [21]: num1=100
num2=25
num3=333
avg=round(num1+num2+num3)/3,2 #or we can use avg=round(num1+num2+num3)/3,2
# the average of num1,num2,num3 is = avg
```

```
In [23]: print(f'The average of {num1}, {num2}, and {num3} is= {avg}')
```

The average of 100, 25, and 333 is= (152.66666666666666, 2)

```
In [25]: # Lets combine all
num1=10
num2=20
add = num1+num2
print('The addition of',num1,'and',num2,'is=',add)

print('The addition of {} and {} is= {}'.format(num1,num2,add))
print(f'The addition of {num1} and {num2} is= {add}')
```

The addition of 10 and 20 is= 30
The addition of 10 and 20 is= 30
The addition of 10 and 20 is= 30

End statement

```
In [26]: print('hello') # 1st statement
         print('good morning') #2nd statement
         # i want print like:- hello good morning
```

```
hello
good morning
```

```
In [28]: print('hello', end=' ') # 1st statement
         print('world good day') # 2nd statement
```

```
hello world good day
```

separator

```
In [29]: print('hello','hi','how are you',sep='--->')
```

```
hello--->hi--->how are you
```

```
In [30]: print('hello','hi','how are you',sep='&')
```

```
hello&hi&how are you
```

```
In [31]: print('hello','hi','how are you',sep='@')
```

```
hello@hi@how are you
```

```
In [32]: print('hello','hi','how are you',sep=' ')
```

```
hello hi how are you
```

```
In [33]: print(3, '.') # . is for from 3 so here we will use separate method
```

```
3 .
```

```
In [34]: print(3, '.') # see now space settled(also used to remove space B/W words)
```

```
3 .
```

```
In [36]: print(1,2,end=' ')
         print(3, '.',sep='')
         # will print 1 2 3
```

```
1 2 3.
```

creating a complex number

```
In [38]: z = 3 + 4j
```

```
In [39]: z = 3 + 4j
         print(z.real) # 3.0
         print(z.imag) # 4.0
```

```
3.0
4.0
```

```
In [40]: a = 3 + 4j
         b = 1 + 2j
```

```
#addition
print(a + b) # (4+6j)
```

(4+6j)

```
In [41]: a = 3 + 4j
b = 1 + 2j

#subtraction
print(a-b) # (2+2j)
```

(2+2j)

```
In [42]: a = 3 + 4j
b = 1 + 2j

#multiplication
print(a*b) # (-5+10j)
```

(-5+10j)

```
In [43]: a = 3 + 4j
b = 1 + 2j

#division
print(a/b) # (2.2-0.4j)
```

(2.2-0.4j)

In []:

In []: