

- python installation
- variables
- data type
- type casting
- packages

print

```
In [1]: a=20  
a
```

Out[1]: 20

```
In [2]: print(a)  
  
20
```

```
In [5]: a=20  
b=30  
a  
b  
a  
b
```

Out[5]: 30

```
In [7]: a=50  
b=100  
print(a)  
print(b)  
  
50  
100
```

```
In [8]: # I want to print  
# hai how are you  
  
print("hai how are you")  
  
hai how are you
```

```
In [9]: name="python"  
# what is name here  
# name is a variable  
print(name)  
  
python
```

```
In [10]: # my name is python
print("my name is python")
# what ever you write in red /quotes it will print
```

my name is python

```
In [12]: print("my name is",name)
```

my name is python

```
In [15]: name="python"
print("my name is python")
print("my name is","python")
print("my name is",name)
```

my name is python
my name is python
my name is python

```
In [18]: num1=30
# the value of num1 is 30
print("the value of num1 is 30")
print("the value of num1 is",num1)
```

the value of num1 is 30
the value of num1 is 30

```
In [20]: # the value of num1 is : 30
print("The value of num1 is:",num1)
```

The value of num1 is: 30

```
In [21]: # hai
# how are you
print("hai")
print("how are you")
```

hai
how are you

I want to combine multiple print statements

end

```
In [30]: print("hai",end='*****')
print("how are you")

#haihow are you
```

hai*****how are you

```
In [ ]: # hai
        # how
        # are
        # you

        # hai how are you
```

```
In [34]: print('hai',end=' ')
        print('how',end=' ')
        print('are',end=' ')
        print("you")
```

hai how are you

```
In [42]: number1=100
        number2=500
        add=number1+number2
        add

        # the addition of 100 and 500 is 600
```

Out[42]: 600

```
In [43]: print("The addition of ", number1, "and", number2, " is", number1+number2)
        print("The addition of ", number1, "and", number2, " is", add)
```

The addition of 100 and 500 is 600
The addition of 100 and 500 is 600

```
In [39]: print("the addition of number1 and number2",add)
        print('the addition of 100 and 500 is',add)
```

the addition of number1 and number2 6000
the addition of 100 and 500 is 6000

```
In [45]: a=20
        b=30
        mul=a*b
        # the multiplication of 20 and 30 is 600
        print("The multiplication of",a,"and",b,"is",mul)
        print("the multiplication of", a,b,"is", mul)
        print("The multiplication of",a ,"and", b,"is",mul)
```

The multiplication of 20 and 30 is 600
the multiplication of 20 30 is 600
The multiplication of 20 and 30 is 600

```
In [48]: a=20
b=30
mul=a*b
# the multiplication of 20 and 30 is 600
print("the multiplication of 20 and 30 is 600")
# 20
# 30
# 600
# assume that fill in the blanks
print("the multiplication of {} and {} is {}".format(a,b,mul))
```

the multiplication of 20 and 30 is 600
the multiplication of 20 and 30 is 600

```
In [51]: number1=100
number2=200
add=number1+number2
# what you want to print
# the addition of 100 and 200 is 300
print("the addition of {} and {} is {}".format(add,number1,number2))
```

the addition of 300 and 100 is 200

```
In [54]: name='python'
city='hyd'
age=30

# my name is python, i leaves in hyd and my age is 30
```

```
In [57]: print("my name is {} ,I leavesin{}and my age is{}".format (name,city,age))
print("My name is {}, I live in {} and my age is{}".format(name,city,age))
print("my name is {}, i lives in {} and my age is {}".format(name,city,age))
print("my name is {}, I leaves in {} and my age is {}".format(name,city,age))
print("my name is {},I leaves in {} and my age is{}".format(name,city,age))
```

my name is python ,I leavesinhydand my age is30
My name is python, I live in hyd and my age is30
my name is python, i lives in hyd and my age is 30
my name is python, I leaves in hyd and my age is 30
my name is python,I leaves in hyd and my age is30

In []:

In []: