

```
#variables
a=10
print(a)
print(id(a))

a=20
print(a)
print(id(a))
b=a
print(b)
```

```
10
1765413880336
20
1765413880656
20
>>> |
```

```
#multiple variable  
a,b,c =10,3,20  
print(a)  
print(b)  
print(c)  
  
del(b)
```

|

Ln: 27 Col: 0

```
>>> 10  
      3  
      20
```

Ln: 17 Col: 0

```
a=2+7j
print(a)
print(type(a))
```

```
b=True
print(b)
print(type(b))
```

```
(2+7j)
<class 'complex'>
True
<class 'bool'>
>>>
```

```
#finding data type of a variable  
a=20.5  
print(a)  
print(type(a))  
|
```

```
20.5  
<class 'float'>  
>>>
```

```
#collections
lst = [10,20,30,40,50]
print(lst)
print(type(lst))
```

```
#tuple
l=(10,20,30,40,50)
print(l)
print(type(l))
```

```
#set
s={100,200,300,400,500}
print(s)
print(type(s))
|
```

Ln: 25 Col: 0

```
[10, 20, 30, 40, 50]
<class 'list'>
(10, 20, 30, 40, 50)
<class 'tuple'>
{400, 100, 500, 200, 300}
<class 'set'>
```

>>>

Ln: 11 Col: 0

```
a=10  
b=20  
print(a/b)  
print(a-b)  
print(a+b)  
print(a*b)
```

```
>>> 0.5  
-10  
30  
200
```

Ln: 14 Col: 0

Ln: 9 Col: 0

```
#if else
n=int(input("Enter a number : "))
if n%2==0:
    print("Even")
else:
    print("Odd")
|
```

Ln: 15 Col: 0

```
Enter a number : 18
Even
```

>>>

Ln: 7 Col: 0

```
#while  
i=0  
while i<=10:  
    print(i)  
    i+=1  
|
```

```
0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
>>>
```

Ln: 13 Col: 0

Ln: 16 Col: 0