

main.py



Run

Shell

Clear

```
1 a=10
2 b=20
3 print(a/b)
4 print(a-b)
5 print(a/b)
6 print(a*b)
```

```
0.5
-10
0.5
200
> |
```

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Clear

```
1  #if else
2  n= int(input("enter a num:"))
3  if n%2==0:
4      print("even")
5  else:
6      print("odd")
```

```
enter a num:18
even
> |
```

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Clear

```
1 #while
2 i=0
3 while i<=10:
4     print(i)
5     i+=1
```

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

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Clear

```
1  #collections
2  lst = [10,20,30,40,50]
3  print(lst)
4  print(type(lst))
5
6  #tuple
7  l=(10,20,30,40,50)
8  print(l)
9  print(type(l))
10
11 #set
12 s={100,200,300,400,500}
13 print(s)
14 print(type(s))
15
```

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

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```
1 #finding data type of a variable
2 a=20.5
3 print(a)
4 print(type(a))
```

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

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Clear

```
1 a=2+7j
2 print(a)
3 print(type(a))
4
5 b=True
6 print(b)
7 print(type(b))
```

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

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Shell

Clear

```
1 #multiple variable
2 a,b,c =10,3,20
3 print(a)
4 print(b)
5 print(c)
6
7 del(b)
8 print(b)
```

```
10
3
20
Traceback (most recent call last):
  File "<string>", line 8, in <module>
NameError: name 'b' is not defined
> |
```

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Clear

```
1  #variables
2  a=10
3  print(a)
4  print(id(a))
5
6  a=20
7  print(a)
8  print(id(a))
9  b=a
10 print(b)
```

```
10
9789280
20
9789600
20
>
```