

```
s = 'python'
print(s[1:5:1])
```

ytho

```
s = 'python'
print(s[1:5:2])
```

yh

```
s = 'python'
print(s[1:5:3])
```

yo

```
s = 'python'
print(s[1:5:500])
```

y

```
s = 'balaji'
print(s[1:])
```

alaji

```
s = 'balaji'
print(s[5:1])
```

```
s = 'balaji'
print(s[::-1])
```

balaji

```
s = 'balaji'
print(s[::-1])
```

balaji

```
s = 'balaji'
print(s[::-2])
```

blj

```
s = 'balaji'
print(s[1::-2])
```

aai

```
s = 'balaji'
print(s[2::-2])
```

lj

```
s = 'balaji'
print(s[2:2:2])
```

```
s = 'python'
print(s[::-1])
```

python

```
s = 'python'
print(s[::-1])
```

nohtyp

```
s = 'python'
print(s[1:3:-1])
```

```
s = 'python'
print(s[-1:1:-2])
```

nh

```
s = 'python'
print(s[4:-5:1])
```

```
s = 'python'
print(s[-6:6:])
```

python

```
x = 10 # variable x definition
```

```
y = x
```

```
print(x, type(x), id(x))
```

10 <class 'int'> 11531200

```
print(y, type(y), id(y))
```

10 <class 'int'> 11531200

```
print(x,y)
```

10 10

```
print(type(x),type(y))
```

<class 'int'> <class 'int'>

```
print(id(x),id(y))
```

11531200 11531200

```
i = 1
j = 2
k = 3
print(i)
print(j)
print(k)
```

```
1
2
3
```

```
a,b,c = 10,20,30
print(a)
print(b)
print(c)
```

```
10
20
30
```

```
x = 10
y = 20
print('before swap')
print('x = ',x, id(x))
print('y = ',y, id(y))
```

```
temp = x
x = y
y = temp
```

```
print('after swap')
print('x = ',x, id(x))
print('y = ',y, id(y))
```

```
before swap
x = 10 11531200
y = 20 11531520
after swap
x = 20 11531520
y = 10 11531200
```


```
a = 100
b = 200
print('before swaping')
print('a = ',a,id(a))
print('b = ',b,id(b))
```

```
a,b = b,a
```

```
print('after swaping')
print('a = ',a,id(a))
print('b = ',b,id(b))
```

```
before swaping
a = 100 11534080
b = 200 11537280
after swaping
```

```
a = 200 11537280
b = 100 11534080
```

 0s completed at 1:23 PM

