```python
a='programming'
print(a[1:0])
print(a[:-7:])
print(a[-1::])
print(a[1:-5:])
print(a[-8::-2])
print(a[1:-2:-2])
print(a[-6:10:-2])
print(a[::-4])
print(a[1::1])
print(a[-8::2])
```

```python
a='python'
print(a[:])
print(a[::])
print(a[1::])
print(a[1:5:])
print(a[8::-2])
print(a[1:-2:-2])
print(a[-6::-2])
print(a[::4])
print(a[1:0:1])
print(a[8::2])
```

```python
a='python programming'
print(a[-1::-2])
print(a[:-3:2])
print(a[-2::])
print(a[8:-5:])
print(a[-18::-2])
print(a[-1:-2:2])
print(a[3:-10:-2])
print(a[::4])
print(a[1::])
print(a[2::2])
```

```python
a='python programming'
print(a[-3:])
print(a[-2::2])
print(a[::])
print(a[-6:-5:])
print(a[-3::-2])
```

```python
a='pythonprogramming'
print(a[::2])
print(a[:])
print(a[-2:3:-1])
print(a[-3:4])
print(a[-3:-4:-1])
print(a[-3:7:-2])
print(a[1:-8])
print(a[9::-10])
print(a[9:-10:-1])
print(a[11::-6])
print(a[2:-15:-1])
print(a[-15::-2])
print(a[7:-1])
print(a[-1:0:])
print(a[:-1:])
print(a[::-1])
print(a[-1:7])
print(a[:-3:])
print(a[-1:0])
print(a[-1:0:-1])
print(a[0:-1])
```

```python
a="SoftwarIca College"
print(a.istitle())

a="PYThON"
print(a.isupper())

a=r"pYT\nHON"
print(a.isprintable())

a="capital"
print("A".isupper())

a="capital"
print()

a="capital"
print(a.capitalize("c"))

a="        capital"
print(a.isalnum())
```

```python
a="capital"
print(a.isalnum())

a="+Capital9"
print(a.count("9"))

a="+Cap9ital9"
print(a.find("9"))

a="+Cap9ital9"
print(a.rfind("9"))

a="+Cap9ital9"
print(a.find("A"))

a="Cap9ital9"
print(a.index("A"))
```

```python
a="9"
print(a.isdigit())

a="python"
print(a.swapcase())

a="\t"
print(a.isspace())

a="\t"
print(a.isprintable())

a="123abc"
print(a.isalpha())

a="123abc"
print(a.rjust(11,"#"))

a="123abc"
print(a.ljust(11,"#"))

a="123abc"
print(a.ljust(7,"#"))
```

```python
a="123abc"
print(a.replace('w',"1"))

a="123abc"
b=a.count("1")
print(b)

a="123abc"
b=a.maketrans("123","abc")
print(a.translate(b))

a="123abc"
b=a.maketrans("abc","abc")
print(b)

a="123abc"
b=a.maketrans("Ab","Ab")
print(b)

a="123abc"
b=a.startswith("23")
print(a)
```

```python
a="123abc"
b=a.endswith("ab")
print(a)

a="123abc"
b='a'.endswith("c")
print(a)

a="123abc"
print(a.replace('a',"1"))
```

output of following code

```python
print('python programming',sep='*')
```

output of following code

```python
a='python'
print('hello {}'.format(a))
```

output of following code

```python
print('{} {a} {}'.format('hello','programmer',a='python'))
```

output of following code

```python
a='python'
print(F'hello {0} {0}')
```

output of following code

```python
a='python'
print(F'hello {}')
```

output of following code

```python
print('hello {0}'.format(a=10,10))
```

output of following code

```python
print('hello {0} {} {}'.format(10,20,30))
```

output of following code

```python
print('hello {} {} {}'.format(10,20,30,a=40))
```

output of following code

```python
a='python'
print('a '.isidentifier())
```

output of following code

```python
a=197
print(a<<4)
```

output of following code

```python
a=192
print(a<<3)
```

output of following code

```python
a=197
print(a>>4)
```

output of following code

```python
a=213
b=198
print(a ^ b)
```

output of following code

```python
a=33
b=32
print(a | b)
```

output of following code

```python
a=2j
print(a.imag,a.real)
```

output of following code

```python
a=1,
print(type(a))
```

```python
# Output of following code
a='python'
b='programming'
print('{0} {0} {c}'.format(a,c='10',b))
```

output of following code

```python
S = '{1} is {0} years old.'.format(25, 'Bob')
print(S)
```

```python
if="123abc"
print(if.ljust(6,"#"))
```

```python
Output of following code
a='python programming'
print('yh' in a )
```

```python
Output of following code
a='python'
print('{} {b}'.format(b='ram',a))
```

```python
# Output of following code
a='python'
b='programming'
print('{a} {b}'.format(a,b))
```

```python
# Output of following code
a='python'
b='programming'
print('{0} {0} {0}'.format(a,b))
```

```python
# Output of following code
a='python'
b='programming'
print('{0} {0} {0}'.format(a,c='10',b))
```