```python
num=5
type(num)
```

```
    int
```

```python
num=23456
type(num)
```

```
    int
```

```python
num=2+5j
type(num)
```

```
    complex
```

```python
num.real
```

```
    2.0
```

```python
num.imag
```

```
    5.0
```

```python
x="192"
type(x)
```

```
    str
```

```python
int(x)
```

```
    192
```

```python
x=float(x)
print(x)
```

```
    192.0
```

```python
x=-7.5
print(abs(x))
```

```
    7.5
```

```python
import math
math.e
```

```
    2.718281828459045
```

```python
print(math.sqrt(9))
```

```
    3.0
```

```python
max(1,34,546)
```

```
    546
```

```python
min(6,9,10)
```

```
    6
```

Lists

```python
num=[1,2,3,4]
print(num)
```

```
    [1, 2, 3, 4]
```

```python
letter=['l','e','t','t','e','r']
print(letter)
```

```
    ['l', 'e', 't', 't', 'e', 'r']
```

```python
mix=[1,6,"Shri","Sabhariesh"]
print(mix)
```

```
[1, 6, 'Shri', 'Sabhariesh']
```

```python
mat=[[1,2],["a","b"]]
print(mat)
```

```
[[1, 2], ['a', 'b']]
```

Accessing elements in Lists

```python
print(mix)
```

```
[1, 6, 'Shri', 'Sabhariesh']
```

```python
mix[3]
```

```
'Sabhariesh'
```

```python
mix[-2]
```

```
'Shri'
```

```python
mix[:3]
```

```
[1, 6, 'Shri']
```

```python
mix[2:4]
```

```
['Shri', 'Sabhariesh']
```

```python
mix[::2]
```

```
[1, 'Shri']
```

```python
mix[::-1]
```

```
['Sabhariesh', 'Shri', 6, 1]
```

Operations on Lists

```python
z=[5]*10
print(z)
```

```
[5, 5, 5, 5, 5, 5, 5, 5, 5, 5]
```

```python
print(letter)
```

```
['l', 'e', 't', 't', 'e', 'r']
```

```python
print(mix)
```

```
[1, 6, 'Shri', 'Sabhariesh']
```

```python
conc = letter + mix
print(conc)
```

```
['l', 'e', 't', 't', 'e', 'r', 1, 6, 'Shri', 'Sabhariesh']
```

```python
var=list("hey shri")
print(var)
```

```
['h', 'e', 'y', ' ', 's', 'h', 'r', 'i']
```