```python
print('Hello world')
```

Hello world

```python
a=34
a
```

34

```python
b=3+4j
type(b)
```

complex

```python
name = 'my name is teju'
print(type(name))
```

<class 'str'>

```python
name = True
print(type(name))
```

<class 'bool'>

```python
state = ['karnataka','ap','kerala']
print(type(state))
```

<class 'list'>

```python
num = {a:2,b:3}
print(type(num))
```

<class 'dict'>

```python
a=complex(21)
print(a)
```

(21+0j)

```python
b = ['red','white','blue','black']
b
```

['red', 'white', 'blue', 'black']

```python
c = set(b)
print(c)
```

{'red', 'white', 'black', 'blue'}

```python
d = tuple(c)
print(d)
```

('red', 'white', 'black', 'blue')

```python
name = input('enter your name:')
print(f"my name is {name}")
```

```
enter your name:tejaswini
my name is tejaswini
```

```python
age = complex(input('enter the age:'))
print(age)
```

```
enter the age:18
(18+0j)
```

```python
name= input()
age = int(input())
print(f'my name is:{name},my age is:{age}')
```

```
tejaswini
18
my name is:tejaswini,my age is:18
```

```python
inches = float(input("enter the length(inches):"))
centimeters = 2.5 * inches
print(f"{inches} inches is equal to {centimeters} cm")
```

```
enter the length(inches):18
18.0 inches is equal to 45.0 cm
```

```python
dolar = int(input("enter the amount(dolar):"))
ruppes = dolar * 82
print(f"{dolar} dolar is equal to ₹{ruppes}")
```

```
enter the amount(dolar):18
18 dolar is equal to ₹1476
```

```python
5//2
```

```
2
```

```python
a = int(input("enter the value of a"))
b = int(input("enter the value of b"))
c = a+b
d = a-b
f = a*b
e = a/b
print(f"the addition of a and b is:{c}\nthe subtraction of a and b is:{d}\nthe multiplication of a and b:{f}\nthe division of a and b:{e}")
```

```
enter the value of a5
enter the value of b3
the addition of a and b is:8
the subtraction of a and b is:2
```

```
the multiplication of a and b:15
the division of a and b:1.6666666666666667
```

```python
n1 = float(input('enter the number1'))
n2 = float(input('enter the number2'))

print(f"the adition of n1 & n2 is : {n1+n2}")
print(f"the subtraction of n1 & n2 is:{n1-n2}")
```

```
enter the number135
enter the number245
the adition of n1 & n2 is : 80.0
the subtraction of n1 & n2 is:-10.0
```

```python
a = ['T','U','M','A','K','U','R','U']
a[4]
```

{"type":"string"}

```python
a = [1,2,3,4,5,6,7,8,9]
a[ : : 1]
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

```python
string = "tejaswini paramesh yadav"
string[: : 2]
```

{"type":"string"}

```python
a = [0,1,2,3,4,5,6,7,8,9,10]
a[::2]
```

```
[0, 2, 4, 6, 8, 10]
```

```python
a[1:10:2]
```

```
[1, 3, 5, 7, 9]
```

```python
len(string)
```

```
24
```

```python
string.capitalize()
```

{"type":"string"}

```python
string.upper()
```

{"type":"string"}

```python
string.lower()
```

{"type":"string"}

```python
string.replace("tejaswini paramesh yadav","harismitha paramesh yadav")
```

{"type":"string"}

```python
string.split(",")
```

```
['tejaswini paramesh yadav']
```

```python
string.join("chitradurga")
```

{"type":"string"}

```python
" ".join(string)
```

{"type":"string"}

```python
",".join(string)
```

{"type":"string"}

```python
string.find("paramesh")
```

```
10
```

```python
string.startswith("te")
```

```
True
```

```python
string.endswith("ini")
```

```
False
```

```python
string.isalpha()
```

```
False
```

```python
string.isdigit()
```

```
False
```

```python
a = (int(input("enter the value of a : ")))
b = (int(input("enter the value of b : ")))

print("a==b:",a==b)
print("a!=b:",a!=b)
print("a>b:",a>b)
print("a<b:",a<b)
print("a>=b",a>=b)
print("a<=b")
```

```
enter the value of a : 2
enter the value of b : 5
a==b: False
a!=b: True
```

```
a>b: False
a<b: True
a>=b False
a<=b True
```