In [1]:
```
import keyword
print(keyword.kwlist)
```

```
['False', 'None', 'True', '__peg_parser__', 'and', 'as', 'assert', 'async', 'aw
ait', 'break', 'class', 'continue', 'def', 'del', 'elif', 'else', 'except', 'fi
nally', 'for', 'from', 'global', 'if', 'import', 'in', 'is', 'lambda', 'nonloca
l', 'not', 'or', 'pass', 'raise', 'return', 'try', 'while', 'with', 'yield']
```

In [2]:
```
import keyword
print(len(keyword.kwlist))
```

```
36
```

In [3]:
```
a=89
print(a)
```

```
89
```

In [4]:
```
A,B,C=8,5,9
print(A)

```

```
8
```

In [13]:
```
a1,b1,c1=9,11,33
a1
print(a1,b1,c1)

```

```
9 11 33
```

In [17]:
```
s=3;g=5;h=8;
print(s,g,h)

```

```
3 5 8
```

In [18]:
```
name='srk'
print("name")
```

```
name
```

In [19]:
```
f=5.9
print(f)

```

```
5.9
```

In [20]:
```
s1=456334
print(s1)

```

```
456334
```

In [21]:
```
st=input()
st
```

```
s
```

Out[21]:
```
's'
```

In [23]:
```
st=input()
st

```

```
1a5.9
```

Out[23]:
```
'1a5.9'
```

In [24]:
```
h1=int(input())
h1
```

```
5526452
```

Out[24]:
```
5526452
```

In [1]:
```
f1=float(input())
f1
```

```
262202032
```

Out[1]:
```
262202032.0
```

In [4]:
```
g=88
print(type(g))
j=float(g)
print(j)
print(type(j))
```

```
<class 'int'>
88.0
<class 'float'>
```

In [7]:
```
j=24.55
print(type(j))
k=int(j)
print(k)
print(type(k))
```

```
<class 'float'>
24
<class 'int'>
```

In [9]:
```
#integer to string
d=22
print(type(d))
p=str(d)
print(p)
print(type(p))
```

```
<class 'int'>
22
<class 'str'>
```

In [10]:
```
age=int(input())
age

```

```
18
```

Out[10]:
```
18
```

In [12]:
```
print("enter the age")
input(age)
```

```
enter the age
1820
```

Out[12]:
```
'20'
```

In [13]:
```
print("enter the age")
input(age)

```

```
enter the age
1820
```

Out[13]:
```
'20'
```

In [19]:
```
print("enter the age:")
int(input())
```

```
enter the age:
55
```

Out[19]: 55

In [21]:
```
a=input()
print(a)
```

```
25
25
```

In [23]:
```
g=88
j=float(g)
print(j)
print(type(j))
```

```
88.0
<class 'float'>
```

In [24]:
```
age=int(input())
print("the age is",age)
```

```
15
the age is 15
```

In [25]:
```
print("enter the age")
age=int(input())
print("the age is",age)
```

```
enter the age
12
the age is 12
```

In [26]:
```
12+12
```

Out[26]: 24

In [32]:
```
print("enter the number a:")
a=int(input())
print("enter the number b:")
b=int(input())
print("The sum is",a+b)
```

```
enter the number a:
20
enter the number b:
30
The sum is 50
```

In [39]:
```
a=10
b=20
print("value a=",a)
print("value b=",b)
print("value a+b=",a+b)
```

```
value a= 10
value b= 20
value a+b= 30
```

In [ ]:
```
#Operators
-Arithmetic
    --->+,-,*,/,floor(//),power(**)
-Assignment
    --->=,+=,-=,*=,/=,//=
-Comparision
    --->==,!=,>,<,>=,<=,
-Logical
    ---> and,or,not
-Bitwise
    --->&,|,^(xor),<<,>>
-Membership
    --->in,not in
-Identity
    --->is,is not

```

In [41]:
```
#arithmetic
a,b=7,8
print(a+b)
print(a-b)
print(a*b)
print(a/b)
print(a%b)
```

. . .

In [48]:
```
5//2
```

Out[48]: 2

In [49]:
```
5**2
```

Out[49]: 25

In [50]:
```
v=4
v+=2
v
```

Out[50]: 6

In [51]:
```
v1=5
v1+=v
v1
```

Out[51]: 11

In [53]:
```
c1=4
c1-=v1
c1
```

Out[53]: -7

In [55]:
```
v1=10
v1*=6
v1
```

Out[55]: 60

In [56]:
```
v1=25
v1/=5
v1
```

Out[56]: 5.0

In [57]:
```
v1=50
v1//=10
v1
```

Out[57]: 5

In [58]:
```
v1=5
v1**=10
v1
```

Out[58]: 9765625

In [64]:
```
#comparision
a=4
b=5
print(a==b)
print(a!=b)
print(a>b)
print(a<b)
print(a<=b)
print(a>=b)

```

```
False
True
False
True
True
False
```

In [1]:
```
print("enter the number a:")
a=int(input())
print("enter the number b:")
b=int(input())
print("the sum of two numbers is",a+b)
print("the subtraction of two numbers is:",a-b)
print("the product of two numbers is:",a*b)
print("the divison of two numbers is:",a/b)
print("the modulus of two numbers is:",a%b)
print("the floor of two numbers is:",a//b)
print("the power of two numbers is:",a**b)
```

```
enter the number a:
55
enter the number b:
66
the sum of two numbers is 121
the subtraction of two numbers is: -11
the product of two numbers is: 3630
the divison of two numbers is: 0.8333333333333334
the modulus of two numbers is: 55
the floor of two numbers is: 0
the power of two numbers is: 73103388282542843486847657593078227312640101345696
037852041104025522822449159598967582951445365324616432189941406 25
```

In [6]:
```
d,h=6,3
print(d>h and d!=h)
print(d>h and d==h)
print(d<h and d>h)

```

```
True
False
False
```

In [7]:
```
d,h=6,3
print(d>h or d!=h)
print(d>h or d==h)
print(d<h or d>h)

```

```
True
True
True
```

In [8]:
```
bin(100)
```

Out[8]: '0b1100100'

In [9]:
```
bin(25)
```

Out[9]: '0b11001'

In [12]:
```
s=10
v=20
print(s&v)
print(s|v)
print(s^v)

```

```
0
30
30
```

In [14]:
```
bin(20)
```

Out[14]: '0b10100'

In [15]:
```
bin(30)
```

Out[15]: '0b11110'

In [16]:
```
bin(20+30)
```

Out[16]: '0b110010'

In [17]:
```
bin(50)
```

Out[17]: '0b110010'

In [18]:
```
s="apssdc"
print("a" in s)
print("p" in s)
print("c" in s)
print("h" in s)
```

```
True
True
True
False
```

In [19]:
```
print("j" not in s)
print("aps" not in s)
print("sda" not in s)

```

```
True
False
True
```

In [ ]:
```
#Identity operators
    ->Used to check the memory locations of the objects

```

In [28]:
```
v,b=8,9
print(id(v),id(b))
print(v is b)
print(v is not b)
v1,v2=4,4.0
print(v1 is v2)
print(id(v1),id(v2))
```

```
1964071217680 1964071217712
False
True
False
1964071217552 1964158690672
```

In [ ]:
```

```