


```
In [3]: """
addition
sutraction
multiplication
division
modulo
relectional oprerator
logical operator
bitwise opertator

"""

def add():
    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))
    c=a+b
    print(c)
def sub():
    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))
    c=a-b
    print(c)

def mul():
    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))
    c=a*b
    print(c)

def div():
    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))
    c=a/b
    print(c)

def mod():
    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))
    c=a%b
    print(c)

def bitwise():

    a=int(input("Enter a 1stnumber "))
    b=int(input("Enter a 2nd number "))

    print("\n1.bitwise\n2.bitwise OR")
    choice=int(input("Enter a choice"))
    if choice==1:
        c=a & b
        print(c)
    elif choice==2:
        c=a | b
        print(c)
```

```
def logical():  
  
    a=int(input("Enter a 1stnumber "))  
    b=int(input("Enter a 2nd number "))  
  
    print("\n1.bitwise\n2.bitwise OR")  
    choice=int(input("Enter a choice"))  
    if choice==1:  
        c=a && b  
        print(c)  
    elif choice==2:  
        c=a || b  
        print(c)  
  
def rele():  
  
    a=int(input("Enter a 1stnumber "))  
    b=int(input("Enter a 2nd number "))  
  
    c=a>=b  
    c=a<b  
    c=a<=b  
    c==b  
  
add()  
sub()  
mul()  
div()  
mod()  
bitwise()  
logical()  
rele()
```

File "<ipython-input-3-0d1b6ddf13aa>", line 48

```
    print("\n1.bitwise\n2.bitwise OR")  
    ^
```

SyntaxError: invalid syntax

In [4]: `print("Hellow world")`

Hellow world

```
In [15]: x=input("Enter a statement: ")
#print("printing statement\n",x*10)
for i in range(10):
    x*10;
    print(x)
```

Enter a statement: arjun

arjun

arjun

arjun

arjun

arjun

arjun

arjun

arjun

arjun

arjun

```
In [ ]: while True :  
        a=int(input("Enter a age :"))  
        if a>=18:  
            print("You are teen")  
  
        elif a>=90:  
            print("odd")  
        else:  
            print("you are dead")  
  
        print("\n1.continue\n2.exit")  
        choice=int(input("Enter a choice"))  
        if choice==2:  
            break
```

```
Enter a age :56  
You are teen
```

```
1.continue  
2.exit  
Enter a choice1  
Enter a age :90  
You are teen
```

```
1.continue  
2.exit  
Enter a choice91  
Enter a age :1  
you are dead
```

```
1.continue  
2.exit  
Enter a choice1  
Enter a age :91  
You are teen
```

```
1.continue  
2.exit
```

```
In [1]: while True :  
        a=int(input("Enter a age :"))  
        if a<=18:  
            print("You are teen")  
  
        elif a>=90:  
            print("dead")  
  
        else:  
            print("old")  
  
        print("\n1.continue\n2.exit")  
        choice=int(input("Enter a choice"))  
        if choice==2:  
            break
```

Enter a age :90
dead

1.continue
2.exit
Enter a choice1
Enter a age :23
old

1.continue
2.exit
Enter a choice1
Enter a age :56
old

1.continue
2.exit
Enter a choice1
Enter a age :50
old

1.continue
2.exit
Enter a choice1
Enter a age :15
You are teen

1.continue
2.exit
Enter a choice2

In []:

In []: # 21/06/2021

looping statement

"""

1. for loop

2. while loop

3. nested loop

"""