

Variable

In []:



```
print('enter youe name')
name=input()
print('enter your Dep')
Dep=input()
print('enter your age')
age=input()
print(name)
print(Dep)
print(age)
```

Create the calculater:

In [17]:



```
a=int(input('enter the value'))
con=input('enter condtion')
b=int(input('enter the value'))
if con=="+":
    print(a+b)
elif con=="-":
    print(a-b)
elif con=="*":
    print(a*b)
elif con=="/":
    print(a/b)
else:
    print('condtion missing error')
```

```
enter the value10
enter condtion-
enter the value5
5
```

month program:

In [16]:



```
month=int(input('enter the month: '))
if month==1:
    print('january')
elif month==2:
    print('February')
elif month==3:
    print('march')
elif month==4:
    print('april')
elif month==5:
    print('may')
elif month==6:
    print('june')
elif month==7:
    print('july')
elif month==8:
    print('August')
elif month==9:
    print('september')
elif month==10:
    print('october')
elif month==11:
    print('november')
elif month==12:
    print('december')
```

enter the month: 10
october

respective day

In [18]:



```
day=int(input('enter the day'))
if day==1:
    print('sunday')
elif day==2:
    print('monday')
elif day==3:
    print('tuesday')
elif day==4:
    print('wednesday')
elif day==5:
    print('thursay')
elif day==6:
    print('friday')
elif day==7:
    print('saturday')
```

enter the day7
saturday

Leap year or not

In [2]:



```
year=int(input("enter the year"))
if year%4==0:
    print('leap year')
else:
    print('not leap year')
```

enter the year2000
leap year

print the greatest number:

In [25]:



```
a=int(input('enter the A value: '))
b=int(input('enter the B value: '))
if a>b:
    print('a is greatest number')
else:
    print('b is greatest number')
```

enter the A value: 5
enter the B value: 10
b is greatest number

eligible for vote:

In [28]:



```
vote=int(input('enter the age: '))
if vote>=18:
    print("Your eligible for vote")
else:
    print('Your not eligible for vote')
```

enter the age: 17
Your not eligible for vote

each numbers are equal:

In [32]:



```
a=int(input('enter the first number'))
b=int(input('enter the second number'))
if a==b:
    print('Both are equal')
else:
    print('Both are Not equal')
```

```
enter the first number100
enter the second number99
Both are Not equal
```

10% bonus salary greaterthan 10000:

In [34]:



```
salary=int(input('enter your salary: '))
if salary >10000:
    print("You are eligible for 10% bonus")
else:
    print("You are not eligible for 10% bonus")
```

```
enter your salary: 10000
You are not eligible for 10% bonus
```

Print grade students:

In [36]:



```
mark=int(input('enter student mark: '))
if mark>90:
    print('grade A')
elif mark>75 and mark<91:
    print('grade B')
elif mark>65 and mark<76:
    print('grade C')
elif mark>50 and mark<66:
    print('grade D')
else:
    print('fail')
```

```
enter student mark: 89
grade B
```

In [47]:



```
a=int(input('enter the number'))
b=int(input('enter the number'))
c=int(input('enter the number'))
if a<b and b<c:
    print(a,b,c)
elif c>2 and 2>1:
    print(a,b,c)
```

```
enter the number1
enter the number2
enter the number3
1 2 3
```

concat

In [6]:



```
first_name='Lingesh'
second_name='waran'
print(first_name, '', second_name) #concat
print(first_name+second_name)
print(first_name, second_name)
```

```
Lingesh waran
Lingeshwaran
Lingesh waran
```

operator

In [7]:



```
a='lingesh'
b='waran'
c='waran'
print(a==c)
print(b==c)
print(a!=c)
```

```
False
True
True
```

Logical operator:

In [13]:



```
a= 'true'
b= 'false'
print(a or c)
print(a and b)
print(not c)
```

```
true
false
False
```

Loop:

In [1]:



```
s=1
while s<=10:
    print("LOOP")
    s=s+1
```

```
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
LOOP
```

While loop

Print n numbers

In [2]:



```
n=int(input('enter the number'))
i=1
while i<=n:
    print(i)
    i=i+1
```

```
enter the number5
1
2
3
4
```

print n numbers

In [3]:



```
i=1
n=int(input('enter the number'))
while i<=n:
    print(i)
    i=i+1
```

enter the number7

1
2
3
4
5
6
7

Sum of numbers

In [1]:



```
i=1
sum=0
n=int(input('enter the number: '))
while i<=n:
    sum=sum+i
    i=i+1
print(sum)
```

enter the number: 10

55

Table of numbers

In [5]:



```
num=int(input('enter the number: '))
s=1
while s<=num:
    print(s, '*', num, '=', num*s)
    s=s+1
```

enter the number: 5

1 * 5 = 5
2 * 5 = 10
3 * 5 = 15
4 * 5 = 20
5 * 5 = 25

In [5]:



```
i=0
n=int(input('enter the number'))
while i<=n:
    print("Lingesh")
    i=i+1
```

```
enter the number10
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
Lingesh
```

Print sum of numbers

In [6]:



```
sas=1
sum=1
n=int(input('enter the limit: '))
while sas<=n:
    sum=sum+sas
    print(sum)
    sas=sas+1
```

```
enter the limit: 10
2
4
7
11
16
22
29
37
46
56
```

For Loop - table of numbers

In [2]:



```
num=int(input('enter the number: '))
s=1
for i in range(10):
    print(s, '*', num, '=', num*s)
    s=s+1
```

enter the number: 5

```
1 * 5 = 5
2 * 5 = 10
3 * 5 = 15
4 * 5 = 20
5 * 5 = 25
6 * 5 = 30
7 * 5 = 35
8 * 5 = 40
9 * 5 = 45
10 * 5 = 50
```

Loop

In [1]:



```
i=1
n=int(input('enter the number'))
while i<=n:
    print(i)
    i=i+1
```

enter the number10

```
1
2
3
4
5
6
7
8
9
10
```

Fibonacci Numbers

In [3]:



```
a=0
b=1
for i in range(0,10):
    print(a)
    a,b=b,a+b
```

```
0
1
1
2
3
5
8
13
21
34
```

Reverse of a Numbers

In [10]:



```
number=int(input('enter the number: '))
reverse_number=0
while number>0:
    reminder=number%10
    reverse_number=(reverse_number*10)+reminder
    number=number//10
print('reverse number is: ',reverse_number)
```

```
enter the number: 985
reverse number is:  589
```

Armstrong number or not

In []:



```
number=int(input('enter the three digit number: '))
sum=0
temp=number
while temp>0:
    digit=temp%10
    sum=digit**3+sum
    temp=temp//10
if number==sum:
    print('Armstrong number')
else:
    print("Not Armstrong number")
```

In []:



