```python
name =input('enter your name:')
degree=input('enter your degree:')
age=input('enter your age:')
native=input('enter your native:')
ID= input('enter your ID:')
gender=input('enter your gender:')
phoneNo=input('enter your phone no:')
print('my name is',name,'from',native,'I am',age,'years old',gender,'I
have completed',degree,'my ID is',ID,'my phone no is',phoneNo)
#string formatting(f)in {}
print(f'my name is {name} from {native} I am {age} years old {gender}
T have completed {degree} my ID is {ID} my phone no is {phoneNo}')
```

```
enter your name:Lavanya Sree P
enter your degree:BSc
my name is Lavanya Sree P have completed BSc
enter your name:Lavanya Sree P
enter your degree:BSc AZB
enter your age:18
enter your native:Chennai
enter your ID:8323
enter your gender:female
enter your phone no:6374929393
my name is Lavanya Sree P from Chennai I am 18 years old female I have
completed BSc AZB my ID is 8323 my phone no is 6374929393
my name is Lavanya Sree P from Chennai I am 18 years old female T have
completed BSc AZB my ID is 8323 my phone no is 6374929393
```

```python
x=input('enter your number x:')
y=input('enter your number y:')
print('the value of {} and {}'.format(x,y))
print(f'the value of {x} and {y} is {x+y}')
x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
print(f'the value of {x} and {y} is {x+y}')
```

```
enter your number x:5
enter your number y:7
the value of 5 and 7
the value of 5 and 7 is 57
enter your number x:5
enter your number y:7
the value of 5 and 7 is 12
```

```python
# Operations in python
# ARITHMETIC OPERATION(+,-,*,/,//- floor division(no decimel included
in ans),%- modulus(remainder value is ans),**-exponential(x power
y,power value calculated))
x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
```

```
print(x+y)
print(x-y)
print(x/y)
print(x//y)
print(x%y)
print(x**y)

enter your number x:50
enter your number y:5
55
45
10.0
10
0
312500000
```

DAY-9(24-06-2023)

```
#Assignment Operator-should put =before signs (=+,=-,=*,=**,=/,=//)
x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z=x+y
print('the value of z is:',z)
z+=x #z=z+x
print('the value of z is:',z)
z-=y #z=z-x
print('the value of z is:',z)

enter your number x:55
enter your number y:77
enter your number z:57
the value of z is: 132
the value of z is: 187
the value of z is: 110

x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z*=x #z=z*x
print('the value of z is:',z)
z*=y #z=z*y
print('the value of z is:',z)

enter your number x:55
enter your number y:77
enter your number z:75
```

```
the value of z is: 4125
the value of z is: 317625

x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z/=x #z=z/x
print('the value of z is:',z)
z/=y #z=z/y
print('the value of z is:',z)

enter your number x:50
enter your number y:10
enter your number z:5
the value of z is: 0.1
the value of z is: 0.01

x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z//=x #z=z//x
print('the value of z is:',z)
z//=y #z=z//y
print('the value of z is:',z)

enter your number x:5
enter your number y:7
enter your number z:4
the value of z is: 0
the value of z is: 0

x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z%=x #z=z%x
print('the value of z is:',z)
z%=y #z=z%y
print('the value of z is:',z)

enter your number x:50
enter your number y:70
enter your number z:5
the value of z is: 5
the value of z is: 5

x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
z=int (input('enter your number z:'))
z**=x #z=z**x
print('the value of z is:',z)
```

```python
z**=y #z=z**y
print('the value of z is:',z)
```

```
enter your number x:5
enter your number y:3
enter your number z:2
the value of z is: 32
the value of z is: 32768
```

```python
#COMPARISON OPERATOR- ==-Equal,!=-not equal,<-less than,<=-less than
or equal,>-greater than,>=-greater than or equal,
x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
print(x==y)
print(x!=y)
print(x<y)
print(x<=y)
print(x>y)
print(x>=y)
```

```
enter your number x:50
enter your number y:70
False
True
True
True
False
False
```

```python
#LOGICAL OPERATOR- AND(both satisfy),OR(any one satisfy)
x=int (input('enter your number x:'))
y=int (input('enter your number y:'))
print(x==y and x!=y)
print(x==y or x!=y)
print(x<y and x<=y)
print(x<y or x<=y)
print(x>y and x>=y)
print(x>y or x>=y)
```

```
enter your number x:50
enter your number y:70
False
True
True
True
False
False
```

```python
#BITWISE OPERATOR(1 0)-AND(&),OR(|),NOT(-),EX-OR(^)
Number System
Binary(0b)(bin)-2
```

```
Octal-8
Decimal-10
Hexa Decimal-16
2,8,10,16-Base value

#CONVERT TO BINARY
print(bin(7))
print(bin(70))
print(bin(50))
print(bin(5))
print(bin(57))

0b111
0b1000110
0b110010
0b101
0b111001

x=5
y=7
print('AND value is:',x&y)
print('OR value is:',x|y)
print('EX-OR value is:',x^y)
#NOT- tilde(~)
x=5
print('NOT value is:',~x)
y=-7
print('NOT value is:',~y)

AND value is: 5
OR value is: 7
EX-OR value is: 2
NOT value is: -6
NOT value is: 6
```

DAY-10 (25-06-2023)

```
#MEMBERSHIP OPERATOR-in, not in (list)
l=['Lavanya sree','List','Set']
print('Lavanya sree' in l)
print('Lavanya Sree' in l)
print('Set'not in l)

True
False
False

#IDENTITY OPERATOR-is , is not
a=5
```

```
b=7
e=7
print(a is e)
print(id(e))
print(a is b)
print(a is not b)
print(id(a))
print(id(b))

False
140728243819496
False
True
140728243819432
140728243819496

c=[1,2,3]
d=[1,2,3]
print(c is d)
print(id(c))
print(c is not d)
print(id(d))

False
2321671965568
True
2321688790656

# PROGRAM CONTROL FLOW
#if statement
syntax:
    body of the statement
    space in before

#program to check whether the given value is odd or even
n=int(input('enter your number:'))
if n%2==0:
    print(n,'is a even number')


enter your number:76
76 is a even number

#if else statement
n=int(input('enter your number:'))
if n%2==0:
        print(n,'is a even number')
else:
    print(n,'is a odd number')
```