

In []:

```
# Difference between c,java,python
```

```
c-int a=10;
printf("",a)
java-int a=10;
System.out.println(""+a);
python-int a=10
print(a)
```

In [1]:

```
# Hello world program
print("RVRJC COLLEGE")
```

RVRJC COLLEGE

In [5]:

```
#Assign a variable to a value
a="rvrjc college"
print(a)
```

rvrjc college

In [6]:

```
a*10
```

Out[6]:

'rvrjc collegervrjc collegervrjc collegervrjc collegervrjc collegervrjc coll
egervrjc collegervrjc collegervrjc collegervrjc college'

In [24]:

```
print('gopal\n'*10)
```

gopal
gopal
gopal
gopal
gopal
gopal
gopal
gopal
gopal
gopal

In [40]:

```
# Addition of two numbers  
a=b=10  
print("the addition of two numbers is=",a+b)
```

the addition of two numbers is= 20

In [42]:

```
# CHANGE A STRING TO LOWER TO UPPER  
string ="gopal"  
string.upper()
```

Out[42]:

'GOPAL'

In [43]:

```
# CHANGE A STRING TO UPPER TO LOWER  
string ="gopal"  
string.lower()
```

Out[43]:

'gopal'

In [51]:

```
string[::-1]
```

Out[51]:

'lapog'

In [46]:

```
# string concatination  
a="vamanapalli"  
b="manikantha gopal"  
c=a+b  
print(c)
```

vamanapallimanikantha gopal

In [47]:

```
#acsesing first element of a given string  
a="vamanapalli"  
a[0]
```

Out[47]:

'v'

In [48]:

```
# accesing last element of a given string  
a="vamanapalli"  
a[-1]
```

Out[48]:

'i'

In [53]:

```
# Length of the given string  
a="gopal"  
print(len(a))
```

5

In [55]:

```
a[2:4]
```

Out[55]:

'pa'

In [57]:

```
# dynamic values addition  
a=10  
b=20  
c=a+b  
print(c)
```

30

In [60]:

```
a=int(input("Enter A Value"))  
b=int(input("Enter B Value"))  
c=a+b  
print("Addition of Two Numbers A&B is:",c)
```

Enter A Value10

Enter B Value20

Addition of Two Numbers A&B is: 30

In []:

```
SUBTRACTION,mULTIPLICATION,dIVISION dO THE SAME EXAMPLE.
```

In [61]:

```
# HOW TO PRINT THE MULPLICATION TABLE IN PYTHON
n=12
for i in range(1,11):
    print(n,'*',i,'=',n*i)
```

```
12 * 1 = 12
12 * 2 = 24
12 * 3 = 36
12 * 4 = 48
12 * 5 = 60
12 * 6 = 72
12 * 7 = 84
12 * 8 = 96
12 * 9 = 108
12 * 10 = 120
```

In [62]:

```
# HOW TO PRINT THE specific of MULPLICATION TABLE IN PYTHON
n=int(input("Enter a Table no"))
for i in range(1,11):
    print(n,'*',i,'=',n*i)
```

```
Enter a Table no30
```

```
30 * 1 = 30
30 * 2 = 60
30 * 3 = 90
30 * 4 = 120
30 * 5 = 150
30 * 6 = 180
30 * 7 = 210
30 * 8 = 240
30 * 9 = 270
30 * 10 = 300
```

Python Defination

- * Python is a most popular programming language
- * Server to create the web applications
- * It can be used for network transactions
- * Python can be used to system scripting
- * Pyhton can be used to connect the remoteservers.

*** Python can be used to connect the database to real time operations**

Type *Markdown* and LaTeX: α^2

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this is a third comment

Python Operators

operators are used to perform operations on variables and values

Arithmetic Operator

Assignment Operator

Comparison Operator

Logical Operator

Bitwise Operator

In [65]:

```
print(10+5)
```

15

In [66]:

```
print(10-5)
```

5

In [67]:

```
print(10*5)
```

50

In [68]:

```
print(10/5)
```

2.0

In [69]:

```
print(10%5)
```

0

In [70]:

```
print(10**5)
```

100000

In [71]:

```
print(2**3)
```

8

In []:

```
#Assignment Operators
```

In [72]:

```
x=5  
print(x)
```

5

In []:

```
Simple assignment operator ( = )  
Add and equal operator ( += )  
Subtract and equal operator ( -= )  
Asterisk and equal operator ( *= )  
Divide and equal operator ( /= )  
Modulus and equal operator ( %= )  
Double divide and equal operator ( // = )  
Exponent assign operator ( ** = )  
Bitwise And Operator ( & = )  
Bitwise OR Operator ( | = )  
Bitwise XOR Assignment Operator ( ^ = )  
Bitwise right shift assignment operator ( >> = )  
Bitwise left shift assignment operator ( << = )
```

In [77]:

```
x=80
y=90
if(x==y):
    print("yes")
else:
    print("no")
```

no

In [78]:

```
x=4
x+=5
print(x)
```

9

In [79]:

```
x=4
x-=5
print(x)
```

-1

In [80]:

```
x=4
x*=5
print(x)
```

20

In [81]:

```
x=4
x/=5
print(x)
```

0.8

In [82]:

```
x=5
x//=3
print(x)
```

1

In []:

```
# Comparision Operator
== equal to
!= not equal to
> greater than
< lessthan
>= greater than equal to
<= lessthan equal to
```

In [83]:

```
x=5
y=3
print(x>y)
```

True

In [84]:

```
x=5
y=3
print(x<y)
```

False

In [85]:

```
x=5
y=3
print(x==y)
```

False

In [86]:

```
x=5
y=3
print(x!=y)
```

True

In [87]:

```
x=5
y=3
print(x>=y)
```

True

In [88]:

```
x=5  
y=3  
print(x<=y)
```

False

In []:

```
# Logical Operator  
  
and  
or  
not
```

In [94]:

```
x=5  
print(not(x>3 and x<10))  
type(x)
```

False

Out[94]:

int

In [91]:

```
x=5  
print(x>3 or x<10)  
type(x)
```

True

Out[91]:

int

In []: