

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("RVR&JC COLLEGE")
```

RVR&JC COLLEGE

In [4]:

```
#ASSIGN A variable to a value  
a="rvr&jc collage"  
print(a)
```

rvr&jc collage

In [7]:

```
a="rvr&jc collage"  
print(a*10)
```

rvr&jc collagervr&jc collagervr&jc collagervr&jc collagervr&jc collagervr&jc
collagervr&jc collagervr&jc collagervr&jc collagervr&jc collage

In [13]:

```
print("rvr&jc collage\n"*10)
```

rvr&jc collage
rvr&jc collage
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rvr&jc collage
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rvr&jc collage
rvr&jc collage
rvr&jc collage
rvr&jc collage
rvr&jc collage

In [70]:

```
# arthamatic operations
a=b=5
print("multiplication of two numbers is=",a*b)

a=5
b=85
c=224
print("addition of two numbers is=",a+b+c)

a=5
b=85
c=264
print("suptraction of two numbers is=",a-b-c)

a=b=5
print("devison of two numbers is=",a/b)

a=b=5
print("percentage of two numbers is=",a%b)
```

```
multiplication of two numbers is= 25
addition of two numbers is= 314
suptraction of two numbers is= -344
devison of two numbers is= 1.0
percentage of two numbers is= 0
```

In [58]:

```
# CHANGE a string to Lower to upper
string="KESAVA"
string.lower()
```

Out[58]:

```
'kesava'
```

In [62]:

```
string="kesava"
string.upper()
```

Out[62]:

```
'KESAVA'
```

In [65]:

```
# reverse a string
string="KESAVA"
string[::-1]
```

Out[65]:

```
'AVASEK'
```

In [74]:

```
# string concatenation  
a="king "  
b="kesava"  
c=a+b  
print(c)
```

king kesava

In [63]:

```
# accesing 1st element of a given string  
b="kesava"  
b[0]
```

Out[63]:

'k'

In [67]:

```
b="kesava"  
b[2]
```

Out[67]:

's'

In [68]:

```
b="kesava"  
b[4]
```

Out[68]:

'v'

In [64]:

```
# accesing 1st element of a given string  
b="kesava"  
b[-1]
```

Out[64]:

'a'

In [69]:

```
a="kesava"  
b[-2]
```

Out[69]:

'v'

In [71]:

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

6

In [81]:

```
a="kesava"  
a[0:6]
```

Out[81]:

'kesava'

In [82]:

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

30

In [87]:

```
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 [88]:

```
a=int(input("enter a value"))  
b=int(input("enter b value"))  
c=a-b  
print("suptraction of two numbers a&b is:",c)
```

```
enter a value10  
enter b value20  
suptraction of two numbers a&b is: -10
```

In [85]:

```
a=int(input("enter a value"))
b=int(input("enter b value"))
c=a*b
print("multiplication of two numbers a&b is:",c)
```

```
enter a value10
enter b value20
multiplication of two numbers a&b is: 200
```

In [86]:

```
a=int(input("enter a value"))
b=int(input("enter b value"))
c=a/b
print("devision of two numbers a&b is:",c)
```

```
enter a value10
enter b value20
devision of two numbers a&b is: 0.5
```

In [96]:

```
# how to print multiplication 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 [97]:

```
n=19
for i in range (1,11):
    print(n, '*', i, '=', n*i)
```

...

In [1]:

```
n=int(input("enter required table"))
for i in range(1,11):
    print(n, '*', i, '=', n*i)
```

enter required table19

```
19 * 1 = 19
19 * 2 = 38
19 * 3 = 57
19 * 4 = 76
19 * 5 = 95
19 * 6 = 114
19 * 7 = 133
19 * 8 = 152
19 * 9 = 171
19 * 10 = 190
```

python definition

- * python is a most popular programming language
- * server to create the web applications
- * it can be used to networking transactions
- * python can be used to system scripting
- * python can be used to connect the remote server
- * python can be used to connect the database to realtime operations

python operators

arithmetic operators

assignment operators

comparison operators

logical operators

bitwise operators

membership operators

identity operators

assignment operators

1. Simple assignment operator (=)
2. Add and equal operator (+=)
3. Subtract and equal operator (-=)
4. Asterisk and equal operator (*=)
5. ivide and equal operator (/=)
6. Modulus and equal operator (%=)
7. Double divide and equal operator (//=)
8. Exponent assign operator (**=)
9. itwise And Operator (&=)
10. Bitwise OR Operator (|=)
11. Bitwise XOR Assignment Operator (^=)
12. Bitwise right shift assignment operator (>>=)
13. Bitwise left shift assignment operator (<<=)

In [2]:

```
x=100
y=100
if (x==y):
    print("yes")
else:
    print("no")
```

yes

In [4]:

```
x=4
x+=6
print(x)
```

10

In [5]:

```
x=4
x-=6
print(x)
```

-2

In [6]:

```
x=4
x*=6
print(x)
```

24

comparision operants

In [7]:

```
x=4
y=6
print(x<y)

x=4
y<=6
print(x<y)
```

True

True

In [8]:

```
x=4
y/=6
print(x<y)
```

False

In []:

1. AND
2. OR
3. NOT

In [3]:

```
x=5
print(x>3 and x<10)
print(x)
```

True

5

In [6]:

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

True

5

In [7]:

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

False

5

In []: