In [1]:

```
#hello world program
print("rvrjc college")
```

```
rvrjc college
```

In [2]:

```
#assign a variable

a="rvrjc college"
print(a)
```

```
rvrjc college
```

In [3]:

```
#assign a variable

a="rvrjc college"
print(a)
```

```
rvrjc college
```

In [4]:

```
print(a*10)
```

```
rvrjc collegervrjc collegervrjc collegervrjc collegervrjc collegervrjc colle
gervrjc collegervrjc collegervrjc collegervrjc college
```

In [5]:

```
print("rvrjc college/n"*10)
```

```
rvrjc college/nrvrjc college/nrvrjc college/nrvrjc college/nrvrjc college/nr
vrjc college/nrvrjc college/nrvrjc college/nrvrjc college/nrvrjc college/n
```

In [6]:

```
print("rvrjc college\n"*10)
```

```
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
rvrjc college
```

In [7]:

```
a=10
b=20
print(a+b)
```

```
30
```

In [9]:

```
print(22*7)
```

```
154
```

In [10]:

```
a=5
b=3
c=a+b
print("the addition of two numbers=",a+b)
```

```
the addition of two numbers= 8
```

In [11]:

```
a=5
b=3
c=a*b
print("the multi of two numbers=",a*b)
```

```
the multi of two numbers= 15
```

In [12]:

```
a=7
b=8
c=a-b
print("the sub of two numbers=",a-b)
```

```
the sub of two numbers= -1
```

In [13]:

```
a=6
b=7
c=a%b
print("the percentage of two numbers=",a%b)
```

```
the percentage of two numbers= 6
```

In [14]:

```
a=5
b=9
c=a/b
print("the divi of two numbers=",a/b)
```

```
the divi of two numbers= 0.5555555555555556
```

In [3]:

```
#change a string lower to upper
string="bhargavi"
string.upper()
```

Out[3]:

```
'BHARGAVI'
```

In [4]:

```
string="bhargavi"
string.lower()
```

Out[4]:

```
'bhargavi'
```

In [7]:

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

Out[7]:

```
'BHARGAVI'
```

In [9]:

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

Out[9]:

```
'ivagrahb'
```

In [10]:

```
#string concatation
a="neelam"
b="bhargavi"
c=a+b
print(c)
```

```
neelambhargavi
```

In [11]:

```
#accessing first element of a given string
a="neelam"
a[0]
```

Out[11]:

```
'n'
```

In [13]:

```
a[-1]
```

Out[13]:

```
'm'
```

In [17]:

```
#length of the given string
a="bhargavi"
print(len(a))
```

```
8
```

In [18]:

```
a="bhargavi"
a[2:-3]
```

Out[18]:

```
'arg'
```

In [20]:

```
a="bhargavi"
a[3:4]
```

Out[20]:

```
'r'
```

In [21]:

```
#dynamic values addition
a=7
b=22
c=a+b
print(c)
```

```
29
```

In [22]:

```
a=int(input("enter A values"))
b=int(input("enter B values"))
c=a+b
print("addition of two numbers A&B is:",c)
```

```
enter A values22
enter B values35
addition of two numbers A&B is: 57
```

In [23]:

```
a=int(input("enter A values"))
b=int(input("enter B values"))
c=a*b
print("multi of two numbers A&B is:",c)
```

```
enter A values4
enter B values7
multi of two numbers A&B is: 28
```

In [24]:

```
a=int(input("enter A values"))
b=int(input("enter B values"))
c=a-b
print("sub of two numbers A&B is:",c)
```

```
enter A values28
enter B values45
sub of two numbers A&B is: -17
```

In [25]:

```
a=int(input("enter A values"))
b=int(input("enter B values"))
c=a/b
print("divi of two numbers A&B is:",c)
```

```
enter A values25
enter B values2
divi of two numbers A&B is: 12.5
```

In [30]:

```
# how to print multiplication 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 [32]:

```
n=272
for i in range(1,11):
    print(n,'*',i,'=',n*i)
```

```
272 * 1 = 272
272 * 2 = 544
272 * 3 = 816
272 * 4 = 1088
272 * 5 = 1360
272 * 6 = 1632
272 * 7 = 1904
272 * 8 = 2176
272 * 9 = 2448
272 * 10 = 2720
```

In [34]:

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

```
enter a table number13
13 * 1 = 13
13 * 2 = 26
13 * 3 = 39
13 * 4 = 52
13 * 5 = 65
13 * 6 = 78
13 * 7 = 91
13 * 8 = 104
13 * 9 = 117
13 * 10 = 130
```

first comment

second comment

third comment

fourth comment

*python is a most popular programming

*server to create web applications

*it can be used for network transactions

*python can be used to systematic scripting

*python can be used to remoteservers

python operators

arthimetic operator

assisgment operator

logical operator

bitwise operator

comprise operator

In [4]:

```
#arthimetic operators
print(10+5)
```

```
15
```

In [5]:

```
print(12-18)
```

```
-6
```

In [6]:

```
print(5*8)
```

```
40
```

In [7]:

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

```
8
```

In [8]:

```
print(5%6)
```

```
5
```

In [9]:

```
print(4^8)
```

```
12
```

#assigment operators

simple assisgment operator (=)

add and equal operator (+=)

sub and equal operator(-=)

multi and equal operator(*=)

percentage and equal operator(%=)

divided and equal operator(/=)

bitwise and operator(|=)

bitwise right shift assisgment operator(>>=)

bitwise left shift assisgment operator(<<=)

In [12]:

```
x=50
y=60
if(x==y):
    print("yes")
else:
    print("no")
```

```
no
```

In [13]:

```
x+=22
print(x)
```

```
72
```

In [14]:

```
x-=67
print(x)
```

```
5
```

In [15]:

```
x**7
print(x)
```

```
5
```

In [16]:

```
x=4
x/=7
print(x)
```

```
0.5714285714285714
```

In [19]:

```
x=32
x%=6
print(x)
```

```
2
```

comprasion operators

==,,<=,>=,!=,<,>

In [20]:

```
x=7
y=8
print(x<y)
```

```
True
```

In [22]:

```
x=8
y=18
print(x>y)
```

```
False
```

In [23]:

```
x=9
y=16
print(x<=y)
```

```
True
```

logical operator

and,or,not

In [24]:

```
x=5
print(x>4 and x<2)
```

```
False
```

In [28]:

```
x=20
print(x>9 or x<15)
print(x)
```

```
True
20
```

In [29]:

```
x=15
print(x<3 and x<7)
print(x)
```

```
False
15
```

In [31]:

```
x=27
print(not(x<3 and x<7))
print(x)
```

```
True
27
```

In [ ]:

```

```