

In [1]:

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

RVRJC COLLEGE

In [2]:

```
# ASSIGN A VARIABLE  
a="rvrjc college"  
print(a)
```

rvrjc college

In [3]:

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

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

In [4]:

```
a*10
```

Out[4]:

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

In [5]:

```
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 [6]:

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

30

In [7]:

```
a=12
b=15
print(a+b)
```

27

In [8]:

```
a=2
b=3
a*b
```

Out[8]:

6

In [9]:

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

the addition of two numbers is= 20

In [10]:

```
a=b=15
print("the multiplication of two numbers is=",a*b)
```

the multiplication of two numbers is= 225

In [11]:

```
a=b=12
print("the subtraction of two numbers is=",a-b)
```

the subtraction of two numbers is= 0

In [12]:

```
a=15
b=3
a/b
```

Out[12]:

5.0

In [13]:

```
a=5
b=12
a%b
```

Out[13]:

5

In [15]:

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

Out[15]:

'SHRUTHI'

In [23]:

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

Out[23]:

'shruthi'

In []:

In [32]:

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

Out[32]:

'IHTURHS'

In []:

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

In [17]:

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

Out[17]:

'ihturhs'

In [18]:

```
# string concatation  
a="sruthi"  
b="sivani"  
c=a+b  
print(c)
```

sruthisivani

In [19]:

```
# accessing first element  
a="sruthi"  
a[0]
```

Out[19]:

's'

In [20]:

```
a[-1]
```

Out[20]:

'i'

In [21]:

```
b[0]
```

Out[21]:

's'

In [22]:

```
b[-1]
```

Out[22]:

'i'

In [24]:

```
# length of the given string  
a='shruthi'  
print(len(a))
```

7

In [25]:

```
a[2:6]
```

Out[25]:

'ruth'

In [30]:

```
a[2:3]
```

Out[30]:

'r'

In [31]:

```
a[2:-3]
```

Out[31]:

'ru'

In [33]:

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

30

In [35]:

```
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 value12

enter B value14

addition of two numbers A&B is: 26

In [36]:

```
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 value13

enter B value15

multiplication of two numbers A&B is: 195

In [3]:

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

enter A value21

enter B value3

division of two numbers A&B is: 7.0

In [4]:

```
# how to print the multiplication table
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 [6]:

```
n=16
for i in range(1,11):
    print(n,"*",i,"=",n*i)
```

```
16 * 1 = 16
16 * 2 = 32
16 * 3 = 48
16 * 4 = 64
16 * 5 = 80
16 * 6 = 96
16 * 7 = 112
16 * 8 = 128
16 * 9 = 144
16 * 10 = 160
```

In [7]:

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

```
enter a table number23
23 * 1 = 23
23 * 2 = 46
23 * 3 = 69
23 * 4 = 92
23 * 5 = 115
23 * 6 = 138
23 * 7 = 161
23 * 8 = 184
23 * 9 = 207
23 * 10 = 230
```

In []:

```
# pythone defination
```

In []:

```
## * python is a most popular programming language  
## * server to create the web application  
## * it can be used for network transactions  
## * python can be used to system scripting  
## python can be used to connect the remoteservers.  
## python can be used to connect the database to real time operations
```

In []:

In []:

In []:

In []: