In [1]:

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

```
RVRJC COLLEGE
```

In [2]:

```
# ASSIGN A VARIBLE
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 multipication of two numbers is=",a*b)
```

```
the multipication 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("multipication of two numbers A&B is:",c)
```

```
enter A value13
enter B value15
multipicatiom 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 multipication 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
```

pythone defination

* python is a most popular programmimg language

* server to create the web application

* it can be used for network trancations

* 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 [ ]: