In [1]:

```python
# Hello world program
print("RVR & JC COLLEGE")
```

RVR & JC COLLEGE

In [5]:

```python
# assign a variable to a value
a="RVR & JC COLLEGE"
print(a)
```

RVR & JC COLLEGE

In [14]:

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

RVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COL
LEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC
COLLEGE

In [12]:

```python
a*10
```

Out[12]:

```
'RVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC CO
LLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & JC COLLEGERVR & J
C COLLEGE'
```

In [15]:

```python
print("RVR&JC COLLEGE\n"*10)
```

RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE
RVR&JC COLLEGE

In [21]:

```python
a=10
b=20
print("addition of two numbers is=",a+b)
```

addition of two numbers is= 30

In [22]:

```python
a=6
b=6
print("multiplication of two numbers is=",a*b)
```

multiplication of two numbers is= 36

In [23]:

```python
a=6
b=3
c=a-b
print("subtraction of two numbers is=",c)
```

subtraction of two numbers is= 3

In [24]:

```python
a=60
b=10
print("division of two numbers is=",a/b)
```

division of two numbers is= 6.0

In [25]:

```python
a=90
b=30
print("modulus of two numbers is=",a%b)
```

modulus of two numbers is= 0

In [55]:

```python
# change a string to lower to upper
string='ASMA'
string.lower()
```

Out[55]:

```
'asma'
```

In [33]:

```python
string='asma'
string.upper()
```

Out[33]:

```
'ASMA'
```

In [34]:

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

Out[34]:

```
'amsa'
```

In [51]:

```python
# string concatination
a="Mohammad"
b=" Asma"
c=a+b
print(c)
```

```
Mohammad Asma
```

In [52]:

```python
# accessing first element
a="asma"
a[0]
```

Out[52]:

```
'a'
```

In [53]:

```python
# accessing last element
a[-1]
```

Out[53]:

```
'a'
```

In [54]:

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

```
4
```

In [41]:

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

Out[41]:

```
'ma'
```

In [42]:

```python
a[4:6]
```

Out[42]:

```
'am'
```

In [50]:

```python
# dynamic value addition
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 value:58
enter b value:77
addition of two numbers a&b is: 135
```

In [49]:

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

```
enter a value:60
enter b value:77
subtraction of two numbers a&b is: -17
```

In [48]:

```python
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 value:25
enter b value:5
multiplication of two numbers a&b is: 125
```

In [47]:

```python
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 value:30
enter b value:15
division of two numbers a&b is: 2.0
```

In [56]:

```python
# 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 [59]:

```python
n=int(input("enter table number:"))

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

```
enter table number:6
6 * 1 = 6
6 * 2 = 12
6 * 3 = 18
6 * 4 = 24
6 * 5 = 30
6 * 6 = 36
6 * 7 = 42
6 * 8 = 48
6 * 9 = 54
6 * 10 = 60
```

PYTHON DEFINITION:

* 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

* PYTHON CAN BE USED TO CONNECT THE REMOTESERVERS

* PYTHON CAN BE USED TO CONNECT THE DATABASE TO REAL TIME OPERATIONS

In [ ]: