In [ ]:
```
# OWN WORK BEFORE STARTED TEACHING
```

In [1]:
```
x=1
while x<=10:
    print(x)
    x+=1
```

```
1
2
3
4
5
6
7
8
9
10
```

In [31]:
```
x=int(input("Enter a number from you want: "))
n=int(input("Enter a Range: "))
while x<=n:
    print(x)
    x+=1
```

```
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
```

In [4]:
```
n=int(input("enter a value: "))
for i in range(n):
    print("Revati")
```

```
Revati
Revati
Revati
Revati
Revati
Revati
Revati
Revati
Revati
Revati
```

In [7]:
```
string="Revati"
for i in string:
    print(i)
```

```
R
e
v
a
t
i
```

In [30]:
```
#PROGRAM TO FIND FACTORIAL OF ANY NUMBER

number=int(input("Enter a value : "))
fact=1
for i in range(1,number+1):
    fact *= i

print(fact)
```

```
720
```

In [ ]:
```
# ************BEGINING OF LAB ASSIGNMENT*************
```

In [20]:
```
#TO ACCEPT AN OBJECT MASS IN KG AND VELOCITY IN METER PER SECOND AND DISPLAY IT'

m=float(input("Enter a mass of object(Kg): "))
c=float(input("Enter a Velocity of object(m/s): "))
E=m*c*c
print("The Momentum of an object is",E)
```

```
The Momentum of an object is 40.0
```

In [32]:
```
          # WRITE A PYTHON PROGROM FOR FOLLOWING CONDITIONS.
# 1. IF N IS SINGLE DIGIT NUMBER THEN PRINT SQUARE OF IT
# 2. IF N IS TWO DIGIT NUMBER THEN PRINT SQUARE ROOT OF IT
# 3. IF N IS THREE DIGIT NUMBER THEN PRINT CUBE OF IT

import math
n=int(input("Enter a value : "))
if n<10:
    print(n*n)
elif n>=10 and n<=99:
    print(math.sqrt(n))
elif n>=100 and n<=999:
    print(n*n*n)
else:
    print("Please enter a valid number between 1 to 999")
```

```
7.0
```

In [39]:
```
## READ DATE OF BIRTH AND SALARIES IN RUPEES THEN PERFORM DATA FORMATION FOR DAT

from datetime import datetime
def calculate_age(birthdate):
    today = datetime.now()
    birthdate = datetime.strptime(birthdate, "%Y-%m-%d")
    return today.year - birthdate.year - ((today.month, today.day) < (birthdate.

def salary_in_dollars(salary_in_rupees, conversion_rate=82.5):
    return salary_in_rupees / conversion_rate
```

```
birthdate = input("Enter birthdate (YYYY-MM-DD): ")
salary = float(input("Enter salary in rupees: "))

age = calculate_age(birthdate)
salary_usd = salary_in_dollars(salary)

print(f"Your Age is : {age} years")
print(f"Your Salary in USD is: ${salary_usd:.2f}")
```

```
Your Age is : 18 years
Your Salary in USD is: $1090.91
```

In [40]:
```
# PRINT THE REVERSE NUMBER OF A GIVEN NUMBER

number = int(input("Enter a number: "))
reverse_number = int(str(number)[::-1])
print(f"Reversed number: {reverse_number}")
```

```
Reversed number: 53
```

In [41]:
```
# PRINT MULTIPLICAION TABLE OF A NUMBER N .

n = int(input("Enter a number: "))
for i in range(1, 11):
    print(f"{n} x {i} = {n*i}")
```

```
8 x 1 = 8
8 x 2 = 16
8 x 3 = 24
8 x 4 = 32
8 x 5 = 40
8 x 6 = 48
8 x 7 = 56
8 x 8 = 64
8 x 9 = 72
8 x 10 = 80
```

In [ ]: