

```
# Printing a series
```

```
for i in range(11, 1,-1):
    print(i)
```

```
for i in range(11, 0,-1):
    print(i)
```

```
for i in range(50, 0,-5):
    print(i)
```

```
# Even numbers from 60 - 100 using for loop
for i in range(60 , 101 , 2 ):
    print(i)
```

```
for i in range(60 , 101 ):
    if (i%5 ==0):
        print(i)
```

```
n=int(input("enter any number : "))
for i in range(1,n+1):
    print(i*i*i)
```

```
# Display the cube of the number up to a given integer
x=int(input())
r=int(input("Enter range:"))
for i in range(x, r):
    cube=x*x*x
    x=x+1
    print("The cube of",x-1,"=",cube)
```

```
a=0
b=1
c=0
print(a)
print(b)
v=int(input("Enter range of series : "))
for i in range (v):
    c=a+b
    a,b=b,c
    print(c)
```

```
0
1
Enter range of series : 6
1
2
3
5
```



```
8  
13
```

```
# Fibonacci sequence:  0  1  1  2  3  5  8  13  21  34 ....  
num1=0  
num2=1  
i=0  
x=int(input("Enter range:"))  
for i in range(0, x):  
    print(num1)  
    num3=num1+num2  
    num1=num2  
    num2=num3
```

```
# Find the sum of the series 2 +22 + 222 + 2222 + .. n  
begin=int(input("Enter the number:"))  
n=int(input("Enter the range :"))  
sum=0  
  
c=begin  
for i in range(0,n):  
    print(begin)  
    sum=sum+begin  
    begin=(begin*10)+c  
print("Sum of above series is:", sum)
```

Start coding or generate with AI.

```
#Triangle I Write a code to get the following output using a for loop.  
#1  
#11  
#111  
#1111  
#11111  
num1=int(input("Enter number:"))  
num2=0  
num3=num1  
r=int(input("Enter range:"))  
for i in range(0,r):  
    print(num1)  
    num1=num1 * 10 + num3  
    num2=num2 + 1
```

```
#Write a code to get the following output using a for loop.
#1
#101
#10101
#1010101
#101010101
num1=int(input("Enter number:"))
num2=0
num3=num1
r=int(input("Enter range:"))
for i in range(0,r):
    print(num1)
    num1=num1 * 100 + num3
    num2=num2 + 1
```

```
# Reverse a given integer
a=int(input("Enter the number:"))
b=int(input("Enter the number of digit:"))
reverse=0
c=a
for i in range(0,b):
    i=a%10
    a=a//10
    reverse= reverse*10 + i

print("Reverse of",c,"=",reverse)
```

Start coding or generate with AI.

```
#check a number is palindrome or not
number=int(input("Enter the number:"))
a=int(input("Enter the number of digits:"))
reverse=0
b=number
for i in range(0,a):
    i=number%10
    number=number//10
    reverse=reverse*10+i

if b==reverse:
    print("The number is a palindrome.")
else:
    print("The number is not a palindrome.")
```

```
#check a number is armstrong or not
n=int(input("Enter the number:"))
sum=0
a=n
for i in range(0,n):
    i=n%10
    n=n//10
    sum=sum+i*i*i

if sum==a:
    print("The number is an armstrong.")
```

```
else:  
    print("The number is not an armstrong.")
```