

```
# Printing aseries
```

```
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.")
```