

1.PROGRAM TO GENERATE FIBONACCI SERIES UPTO GIVEN NUMBER?

main.py	Output
<pre>1 n = int(input("enter number:")) 2 a=0 3 b=1 4 print(a,b,end=" ") 5 for i in range(0,n): 6 c=a+b 7 if(c<=n): 8 print(c,end=" ") 9 a=b 10 b=c 11</pre>	<pre>enter number:5 0 1 1 2 3 5 === Code Execution Successful ===</pre>

2.PROGRAM TO GENERATE FIBONACCI SERIES OF GIVEN NUMBER N UPTO THAT CONTAINS EXACTLY N DIGITS?

main.py	Output
<pre>1 n = int(input("enter number:")) 2 a=0 3 b=1 4 print(a,b,end=" ") 5 for i in range(2,n): 6 c=a+b 7 print(c,end=" ") 8 a=b 9 b=c 10</pre>	<pre>enter number:10 0 1 1 2 3 5 8 13 21 34 === Code Execution Successful ===</pre>

3.PROGRAM TO PRINT THE GIVEN NUMBER IN REVERSE ORDER?

main.py	Output
<pre>1 n = int(input("enter number:")) 2 rev=0 3 while(n>0): 4 rem=n%10 5 rev=(rev*10)+rem 6 n//=10 7 print(rev)</pre>	<pre>enter number:123 321 === Code Execution Successful ===</pre>

4.PROGRAM TO CHECK THE GIVEN NUMBER IS PALINDROME OR NOT?

main.py	Output
<pre>1 n = int(input("enter number:")) 2 temp = n 3 rev = 0 4 while n > 0: 5 rem = n % 10 6 rev = (rev * 10) + rem 7 n //= 10 8 if temp == rev: 9 print("The number is a palindrome!") 10 else: 11 print("The number is not a palindrome!") 12</pre>	<pre>enter number:1221 The number is a palindrome! === Code Execution Successful ===</pre>

