

1.PROGRAM TO CHECK THE GIVEN NUMBER IS STRONG NUMBER OR NOT?

main.py	Output
<pre>1 n=int(input("enter the number:")) 2 temp=n 3 sum=0 4 while(n>0): 5 rem=n%10 6 fact=1 7 for i in range(1,rem+1): 8 fact=fact*i 9 sum+=fact 10 n=n//10 11 if(temp==sum): 12 print("strong number") 13 else: 14 print("not strong number")</pre>	<pre>enter the number:145 strong number === Code Execution Successful ===</pre>

2.PROGRAM TO CHECK THE GIVEN NUMBER IS ARMSTRONG OR NOT?

main.py	Output
<pre>1 n=int(input("enter the number:")) 2 l=len(str(n)) 3 temp=n 4 sum=0 5 while(n>0): 6 rem=n%10 7 sum=sum+pow(rem,l) 8 n=n//10 9 if(temp==sum): 10 print("armstrong number") 11 else: 12 print("not armstrong number")</pre>	<pre>enter the number:45 not armstrong number === Code Execution Successful ===</pre>

3.PROGRAM TO CHECK THE GIVEN TWO STRINGS ARE ANAGRAM STRINGS OR NOT?

main.py	Output
<pre>1 s1=input("enter string1:") 2 s2=input("enter string2:") 3 if(sorted(s1)==sorted(s2)): 4 print("anagram") 5 else: 6 print("not anagram")</pre>	<pre>enter string1:tea enter string2:eat anagram === Code Execution Successful ===</pre>

4.PROGRAM TO CHECK THE GIVEN STRING IS PANAGRAM OR NOT?

main.py	Output
<pre>1 s=input("enter string:") 2 alphastr="abcdefghijklmnopqrstuvwxyz" 3 is_panagram = True 4 for char in alphastr: 5 if char not in s: 6 is_panagram = False 7 break 8 if is_panagram: 9 print("Panagram") 10 else: 11 print("not Panagram")</pre>	<pre>enter string:pacecollege not Panagram === Code Execution Successful ===</pre>