	<pre>x=int(input('Enter your number: '))</pre>
	<pre>x1=1 if x<0:</pre>
	<pre>print('Negative number does not have factorial') elif x==0 or x==1: print(The factorial of 0 or 1 is 1)</pre>
	<pre>print('The factorial of 0 or 1 is 1') else: for i in range(1 vil);</pre>
	<pre>for i in range(1,x+1): x1=i*x1 print('The factorial of',x, 'is: ',x1)</pre>
	Enter your number: 5 The factorial of 5 is: 120
In [2]:	
	<pre>number=int(input('Enter your number: '))</pre>
	<pre>if number<=0: print('Enter a valid number')</pre>
	<pre>elif number==1: print(number,'is niether prime nor composite number')</pre>
	else: for divisor in range(2, (number//2)+1): if (number % divisor==0);
	<pre>if(number%divisor==0): print('The entered number is composite number') break else:</pre>
	<pre>print('The entered number is prime number')</pre>
In [3]:	Enter your number: 14 The entered number is composite number
111 [0].	Welle eneck that given string is pailing one or not
	<pre>string=input('Enter your word: ') reverse=string[::-1]</pre>
	<pre>if (string==reverse): print('Yes, The given string is palindrome: ', string, reverse) else:</pre>
	<pre>print('No, The given string is not palindrome')</pre>
In [4]:	Enter your word: madam Yes,The given string is palindrome: madam madam
In [4]:	#Q.14-Third side of right-angled triangle from given sides from math import sqrt
	<pre>a=int(input('Enter length of a: ')) b=int(input('Enter length of b: '))</pre>
	<pre>c= sqrt(a**2+b**2) print('The length of third side of right-angle is: ',c)</pre>
	Enter lenght of a: 10 Enter length of b: 6 The length of third side of right angle triangle is: 11 00100370000001
In [5]:	The length of third side of right-angle triangle is: 11.661903789690601 #Q.15-find the frequency of each character in given string
	<pre>a=input('Enter the string: ') print(a)</pre>
	<pre>for i in a: print(i, 'appears', a.count(i), 'times')</pre>
	Enter the string: welcome to python welcome to python w appears 1 times
	e appears 2 times l appears 1 times c appears 1 times
	o appears 3 times m appears 1 times e appears 2 times
	appears 2 times t appears 2 times o appears 3 times appears 2 times
	p appears 1 times y appears 1 times t appears 2 times
	h appears 1 times o appears 3 times n appears 1 times
In []:	
In []:	
In []:	
In []:	
In []:	

In [1]: #Q.11-Factorial of number

In []:

In []: