Skip to main content PREC-OCATS-1 REC-OCATS-1  CS23336-Introduction to Python Programming	
Started on Friday, 6 September 2024, 12:01 PM State Finished Completed on Friday, 6 September 2024, 12:20 PM	
Time taken 18 mins 46 secs  Marks 5.00/5.00  Grade 100.00 out of 100.00  Question 1	
Correct Mark 1.00 out of 1.00 Flag question	
Question text  A strobogrammatic number is a number that looks the same when rotated 180 degrees (looked at upside down).  Write a program to determine if a number is strobogrammatic. The number is represented as a string.	
Example 1: Input: 69	
Output: true Example 2:	
Input: 88 Output:	
true  Example 3:	
Input: 962 Output:	
false  Example 4:	
Input:  1 Output:	
For example:	
Test Result  print(Strobogrammatic(69)) true	
<pre>print(Strobogrammatic(962)) false  Answer:(penalty regime: 0 %)  Reset answer  1 + def Strobogrammatic(n):</pre>	
<pre>3    r={'0':'0','1':'1','6':'9','8':'8','9':'6'} 4    for i in range(len(n)//2+1): 5</pre>	
Feedback Test Expected Got	
<pre>print(Strobogrammatic(69)) true true  print(Strobogrammatic(88)) true true  print(Strobogrammatic(962)) false false</pre>	
Passed all tests!  Correct Marks for this submission: 1.00/1.00.	
Marks for this submission: 1.00/1.00.  Question 2  Correct	
Mark 1.00 out of 1.00 Flag question  Question text	
An e-commerce company plans to give their customers a special discount for Christmas.  They are planning to offer a flat discount. The discount value is calculated as the sum of all the prime digits in the total bill amount.	
Write an algorithm to find the discount value for the given total bill amount. Constraints $1 \le \text{orderValue} \le 10\text{e}100000$	
Input The input consists of an integer orderValue, representing the total bill amount. Output	
Print an integer representing the discount value for the given total bill amount.  Example Input  578	
Output 12	
For example:  Test Result  print(christmasDiscount(578)) 12	
Answer:(penalty regime: 0 %)  Reset answer  1  def christmasDiscount(n): 2  a=n 3  count=0 4  while(a>0):	
<pre>4  while(a&gt;0): 5</pre>	
9 return count 10	
Feedback	
Feedback  Test Expected Got  print(christmasDiscount(578)) 12 12	
Passed all tests!  Correct  Marks for this submission: 1.00/1.00.	
Question 3  Correct Mark 1.00 out of 1.00	
Flag question  Question text  Write a function that returns the value of a+aa+aaa+aaaa with a given digit as the value of a.	
Suppose the following input is supplied to the program:  9  Then, the output should be:	
9+99+999=11106 Sample Input Format:	
Sample Output format: 11106	
For example:  Test Result  print(Summation(8)) 9872	
Answer:(penalty regime: 0 %)  Reset answer  1  def Summation(n): 2  a1=int(str(n)) 3  a2=int(str(n)*2)	
3	
Feedback  Test Expected Got  print(Summation(8)) 9872 9872	
<pre>print(Summation(8)) 9872 9872  print(Summation(10)) 10203040 10203040</pre>	
Passed all tests!  Correct Marks for this submission: 1.00/1.00.	
Correct Mark 1.00 out of 1.00 Flag question	
Question text  complete function to implement coin change making problem i.e. finding the minimum number of coins of certain denominations that add up to given amount of money.	
The only available coins are of values 1, 2, 3, 4 Input Format:	
Integer input from stdin.  Output Format: return the minimum number of coins required to meet the given target.	
Example Input: 16 Output:	
4 Explanation: We need only 4 coins of value 4 each	
Example Input: 25	
Output:  7 Explanation:  We need 6 points of 4 yelves and 1 point of 1 yelves	
We need 6 coins of 4 value, and 1 coin of 1 value  Answer:(penalty regime: 0 %)  Reset answer  1 - def coinChange(n): 2 coins=[1,2,3,4]	
<pre>coins=[1,2,3,4] coins.sort(reverse=True) count=0 for coin in coins: count+=n//coin n%=coin</pre>	
Feedback Test Expected Cot	
Test Expected Got print(coinChange(16)) 4 4  Passed all tests!	
Passed all tests!  Correct Marks for this submission: 1.00/1.00.  Question 5	
Correct Mark 1.00 out of 1.00 Flag question	
Question text  A number is considered to be ugly if its only prime factors are 2, 3 or 5.  [1, 2, 3, 4, 5, 6, 8, 9, 10, 12, 15,] is the sequence of ugly numbers.	
Task: complete the function which takes a number n as input and checks if it's an ugly number.	
return ugly if it is ugly, else return not ugly  Hint:  An ugly number U can be expressed as: $U = 2^a * 3^b * 5^c$ , where a, b and c are nonnegative integers.	
For example:  Test Result  print(checkUgly(6)) ugly	
print(checkUgly(6)) ugly  print(checkUgly(21)) not ugly  Answer:(penalty regime: 0 %)  Reset answer	
<pre>1  def checkUgly(n): 2  if n&lt;=0: 3     return "not ugly" 4  for p in [2,3,5]: 5  while n%p==0:</pre>	
6	
11	
Feedback	
Test Expected Got  print(checkUgly(6)) ugly ugly  print(checkUgly(21)) net ugly net ugly	
<pre>print(checkUgly(21)) not ugly not ugly Passed all tests! Correct</pre>	
Marks for this submission: 1.00/1.00.  Finish review	

Question 1 This page Question 2 This page Question 3 This page Question 4 This page Question 5 This page Show one page at a time Finish review