

Exam on Python Programming

[Total Marks: 100]

[Time: 1 hr]

			Marks
Count all letters, digits, and special symbols from a given			
string			
str1 = "I@#ma26rt^&ic5us"			
Write a Python program to find numbers divisible by			
nineteen or thirteen from a list of numbers using Lambda.			
a=[19, 65, 57, 39, 152, 639, 121, 44, 90, 190]			
Find all of the words in a string that are less than 5 letters.			[10]
string = "Practice Problems to Drill List Comprehension in			
Your Head."			
Calculate income tax for the given income by adhering to the			[10]
below rules:			
Taxable income	Rate (in %)		
First \$10,000	0		
Next \$10,000	10		
The remaining	20		
		_	
Expected Output:			
For example, suppose the taxable income is 45000 the income tax payable is:			
$10000\ 0\% + 10000\ 10\% + 25000\ 20\% = $6000.$			
	string str1 = "I@#ma26rt^&ic5us" Write a Python program to find nineteen or thirteen from a list a=[19, 65, 57, 39, 152, 639, 12] Find all of the words in a string string = "Practice Problems to Your Head." Calculate income tax for the girl below rules: Taxable income First \$10,000 Next \$10,000 The remaining Expected Output: For example, suppose the taxa income tax payable is:	string str1 = "I@#ma26rt^&ic5us" Write a Python program to find numbers dividence or thirteen from a list of numbers upon a = [19, 65, 57, 39, 152, 639, 121, 44, 90, 190] Find all of the words in a string that are less string = "Practice Problems to Drill List Comyour Head." Calculate income tax for the given income by below rules: Taxable income Rate (in %) First \$10,000 0 Next \$10,000 10 The remaining 20 Expected Output: For example, suppose the taxable income is a income tax payable is:	string str1 = "I@#ma26rt^&ic5us" Write a Python program to find numbers divisible by nineteen or thirteen from a list of numbers using Lambda. a=[19, 65, 57, 39, 152, 639, 121, 44, 90, 190] Find all of the words in a string that are less than 5 letters. string = "Practice Problems to Drill List Comprehension in Your Head." Calculate income tax for the given income by adhering to the below rules: Taxable income Rate (in %) First \$10,000 0 Next \$10,000 10 The remaining 20 Expected Output: For example, suppose the taxable income is 45000 the income tax payable is:

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Q5.	Given below are the list of positive and negative words. Also,						
	a list of tweets is provided. Separate out the positive and						
	negative comments.						
	positive = ['good','awesome', 'best', 'nice']						
	negative = ['worst','awful', 'bad']						
	tweets = ['This government policies are good', 'bad						
	implementation', 'The way he played showed that he is one						
	of the best players in the world', 'Her acting in the play was						
	awesome', 'The wine tastes awful', 'It's nice to hear this little						
	kid's laugh']						
Q6.	Extend nested list by adding the sublist.	[10]					
	You have given a nested list. Write a program to extend it by						
	adding the sublist ["h", "i", "j"] in such a way that it will look						
	like the following list.						
	list1 = ["a", "b", ["c", ["d", "e", ["f", "g"], "k"], "l"], "m", "n"]						
	sub list to add						
	sub_list = ["h", "i", "j"]						
	expected output =['a', 'b', ['c', ['d', 'e', ['f', 'g', 'h', 'i', 'j'], 'k'], 'l'],						
	'm', 'n']						
Q7.	Remove and add item in a list.	[10]					
	Write a program to remove the item present at index 4 and						
	add it to the 2nd position and at the end of the list.						
	list1 = [54, 44, 27, 79, 91, 41]						
Q8.	Load the iris dataset and Find only those records whose	[10]					
	sepal_length = 5.1 and sepal_width = 3.5						

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Q9.	Check for Maximum petal_length and convert it in to 7.2 and						
	min petal_length and convert it in to 1.2						
Q10.	Perform right join to combine values based on the 'ID' in the						
	two dataframes.						
	Use the dataframe given below, read the DataFrame with the						
	help of clipboard function.						
	ID	Candidate_	Name	Subject			
	101		Alex	History			
	102		Amy	English			
	103		Allen	Geography			
	104		Alice	German			
	105		James				
	106		Sara				
	107	07 Mia English					
	ID City Subject_Score		ct_Score				
	101	Delhi		89			
	102	Mumbai		78			
	103	Delhi		77			
	104	Chennai		87			
	105	Hyderabad		87			
	108	Delhi		84			