Programming in Python

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Problem 1: Find all prime numbers less than the entered number

Test Cases		
Sr. No.	**Input**	**Expected output**
1	9	2 3 5 7
2	15	2 3 5 7 11 13
3	3	2
4	2	*No output*
5	1	*No output*

Problem 2: Find the total profit/loss of each trader working in a trading firm. Information regarding number of traders and number of transactions is unknown

Test Cases		
Sr. No.	**Input**	**Expected output**
1	SJ_323 3534 56456 -2432 0	57558
2	PK_874 9878 32 798 131 14 0	10853
3	VM_578 -214 -24 -4543 8322 0	3541
4	AT_194 242 -2412 20 0	-2150
5	-1	

Problem 3: Find the day wise total rainfall for the entered duration of time e.g. week, month, etc.

Test Cases		
Day	**Input**	**Expected output**
	7	
1	10 15 19 5 -1	49
2	12 13 31 -1	56
3	57 32 85 47 82 -1	303
4	2 5 8 2 4 8 8 2 -1	39
5	-1	0
6	21 73 90 3 7 -1	194
7	30 17 40 10 2 -1	99

Problem 4: Find the length of longest word from the set of words entered by the user

Test Cases		
Sr. No.	**Input**	**Expected output**
1	IITM online degree -1	6
2	Bachelor of science -1	8
3	Computational thinking -1	13
4	Introduction to python -1	12
5	Programming data structures and algorithms	11