

Task 1	<p>Given a number n, create a numpy array consisting of the numbers from 1 to n. Print the mean and standard deviation of the array. Standardise the array and print it. Also print the mean and standard deviation of the standardised array.</p> <p>Run the code for n=5, n=10, n=3</p>
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Task 2	<p>The results of an experiment were given as a list. However, later it came out that there was an error in the reporting the results of the experiment. The results had been over reported by 10. For e.g. if the result should have been 23 it was reported as 33 (23 + 10). Create a numpy array with the correct results and print it.</p>								
Test Cases	<table><tr><th>Input</th><th>Expected Output</th></tr><tr><td>[34,33,29,51,44]</td><td>{24,23,29,51,44}</td></tr><tr><td>[44]</td><td>[34]</td></tr><tr><td>[11,11,11,11]</td><td>[1,1,1,1]</td></tr></table>	Input	Expected Output	[34,33,29,51,44]	{24,23,29,51,44}	[44]	[34]	[11,11,11,11]	[1,1,1,1]
Input	Expected Output								
[34,33,29,51,44]	{24,23,29,51,44}								
[44]	[34]								
[11,11,11,11]	[1,1,1,1]								

Task 3	<p>The sales of a shop are given in two lists. list1 consists of the count of the sales of each product. list2 consists of the prices of the corresponding product. Calculate and print the following details</p> <ul style="list-style-type: none">- Total sales of the day in value- Total number of products sold								
Test Cases	<table><tr><th>Input</th><th>Expected Output</th></tr><tr><td>[2,3,5],[10,15,30]</td><td>Value = 215 Number of products sold = 10</td></tr><tr><td>[2,10],[5,6]</td><td>Value = 70 Number of products sold = 12</td></tr><tr><td>[1,1,2,2,2],[2,3,4,5,6]</td><td>Value = 35 Number of products sold = 8</td></tr></table>	Input	Expected Output	[2,3,5],[10,15,30]	Value = 215 Number of products sold = 10	[2,10],[5,6]	Value = 70 Number of products sold = 12	[1,1,2,2,2],[2,3,4,5,6]	Value = 35 Number of products sold = 8
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