Task 1.

Write a script that will form two new arrays. The elements of the first array are the sums of elements in the previously listed 10 arrays. The second array holds elements that are products of elements in the previously listed 10 arrays. Based on the created arrays:

- Display all elements of each array that have value 100, 1000 or 10000,
- Display the smallest 3 elements of each array,
- Delete the smallest and biggest element of each array,
- Compare the arrays and display how many and which elements are the same, and how many and which elements are different,
- Create an array that merges the two newly created arrays,
- Sort and display the merged array.

Notes: The previously listed 10 arrays in the task are with a different number of elements

Task 2.

Write a script that will form two new associative arrays. The elements of the first array are the sums of elements in the previously listed 10 arrays (key of each element is the name of the sub-array and value of each element is the sum). The second array holds elements that are products of elements in the previously listed 10 arrays (key of each element is the name of the sub-array and value of each element is the product). Based on the created arrays:

- Display all elements of each array that have value 100, 1000 or 10000,
- Display the biggest 4 elements of each array,
- Display the smallest and biggest element of each array,
- Sort and display the arrays,
- Compare the arrays and display how many and which elements are the same, and how many and which elements are different.

Notes: The previously listed 10 arrays in the task are with a different number of elements

Task 3.

Create a Menu List script that stores dishes (each dish has name and price) in a text file. Include functionality that allows users to view the Menu and prevents the same dish name from being entered twice. Include functionalities that allow users to view the Menu, add new dish, update a dish, and sorts the list by name or price.

Notes: Ensure that the project directory/file has read and write permissions for everyone.

Task 4.

Create a Web form that shows the distance between European capitals in miles and kilometres. Insert option so the user can choose leaving and arriving destination. The needed distances (in kilometres) are given in the following table.

	Berlin	Moscow	Paris	Prague	Rome
Berlin	0 km	1907.99 km	876.96 km	280.34 km	1181.67 km
Moscow	1607.99 km	0 km	2484.92 km	1664.04 km	2374.26 km
Paris	876.96 km	2484.92 km	0 km	885.38 km	1105.76 km
Prague	280.34 km	1664.04 km	885.38 km	0 km	922 km
Rome	1181.67 km	2374.26 km	1105.76 km	922 km	0 km

Notes:

- A good option is to use a two-dimensional associative array
- Output example: