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**PHP Day 1 Tasks**

**Task 1:** Create an indexed array with ten different cities.

 Print all elements of the array in reverse order.

 Find and print the index of a specific city in the array.

 Remove a city from the array by its value.

 Slice the array to get a sub-array of the first three cities.

**Task 2:**

 Create an associative array to store the products and their prices.

 Print the array sorted by product names.

 Print the array sorted by prices.

 Calculate and print the average price of all products.

 Find and print the most expensive product.

**Task 3:**

 Create a multidimensional array to store a list of books (title, author, year).

 Print the details of all books published after 2010.

 Add a new book to the array and print the updated array.

 Update the author of a specific book and print the updated array.

 Sort the books by title and print the sorted array.

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**Task 4:**

 Use array\_map() to convert all elements of an indexed array to uppercase.

 Use array\_filter() to filter out elements of an array that do not meet a condition.

 Use array\_reduce() to find the sum of all values in an indexed array.

 Use array\_walk() to apply a function to all elements of an array.

 Use array\_diff() to find the difference between two arrays.

 Use array\_intersect() to find the common elements between two arrays.

 Use array\_combine() to create an associative array from two indexed arrays.

 Use array\_column() to get a specific column from a multidimensional array.

 Use array\_slice() to extract a portion of an array.

 Use in\_array() to check if a value exists in an array.