

1. Write a Python function to find the count of each letter in a string without using any built-in methods.
2. Write a PHP function that returns an array of numbers from 1 to a specified number.
3. Given a non-empty array of integers, return the k most frequent elements.
4. Create a simple flask app with multiple routes.
5. Given two tables **Customer** and **Orders**, write a query to find the total number of orders placed by each customer. The **Customer** table has columns **CustomerId** and **Name**. The **Orders** table has columns **OrderId**, **CustomerId**, and **OrderDate**.

Customer

CustomerId	Name
1	Alice
2	Bob

Orders

OrderId	CustomerId	OrderDate
101	1	2024-01-01
102	2	2024-01-02
103	1	2024-01-03

Expected result:

CustomerId	OrderCount
1	2
2	1

6. Develop a web application in PHP that accepts data input, processes the data using a Python machine learning model, and stores the results in a SQL database.