**1\_HW\_Python Basic Exercise**

1. Given two integer numbers return their product only if the product is greater than 1000, else return their sum.
2. Exercise 2: Print the sum of the current number and the previous number
3. Check if the first and last number of a list is the same. Write a function to return True if the first and last number of a given list is same. If numbers are different then return False.
4. Accept numbers from a user. Write a program to accept two numbers from the user and calculate multiplication.
5. Display numbers from a list using loop. Write a program to display only those numbers from a [list](https://pynative.com/python-lists/) that satisfy the following conditions
6. Given two lists, l1 and l2, write a program to create a third list l3 by picking an odd-index element from the list l1 and even index elements from the list l2.
7. Write a program to remove the item present at index 4 and add it to the 2nd position and at the end of the list.
8. Checks if one set is a subset or superset of another set. If found, delete all elements from that set.
9. Create a 5X2 integer array from a range between 100 to 200 such that the difference between each element is 10.
10. Create two 2-D arrays and Plot them using matplotlib
11. From the given dataset print the first and last five rows (YOU SHOULD HAVE THE DATA).

### Clean the dataset and update the CSV file.

### Find the most expensive car company name.

### Print All Toyota Cars details.

### Count total cars per company.

### Find each company’s Higesht price car.

### Find the average mileage of each car making company.

### Sort all cars by Price column.

### Create two data frames using the following two Dicts, Merge two data frames, and append the second data frame as a new column to the first data frame.

### Read Total profit of all months and show it using a line plot (YOU SHOULD HAVE THE DATA).

### Get total profit of all months and show line plot with the following Style properties.

### Read all product sales data and show it  using a multiline plot.

### Read toothpaste sales data of each month and show it using a scatter plot.

### Read face cream and facewash product sales data and show it using the bar chart.

### Calculate total sale data for last year for each product and show it using a Pie chart.

### Read all product sales data and show it using the stack plot

**Best!!!**