****

**Foundation Course – Assignment 1**

*Deadline: 29 June 2022*

1. Write a program that asks the user for their name and greets them with their name. (e.g., Hello Word!)
2. Write a function that checks whether a number is even or odd.
3. Write a program that asks a user for 2 numbers and show their sum
4. Write a function that checks whether an element occurs in a list.
5. Write a function that returns the largest element in a list.
6. Write a program that asks a user for number and prints the multiplication table of that number
7. Write a function that returns the elements on odd positions in a list.
8. Write a function that checks whether a number is prime or not.
9. Print this pattern: (using multiple prints and then by loop)

\*

\*\*

\*\*\*

\*\*\*\*

\*\*\*\*\*

1. Print this pattern using loops:

1

12

123

1234

12345

**Bonus Question**

* + Write a function that tests whether a string is a palindrome. (definition? even/odd) - Bonus