



Benha University
Faculty of Science
Department of Mathematical



Class: 3rd Year Students
Subject: Artificial Intelligence
Year: (2023-2024)

Homework 1

Answer the following questions:

- 1) Write a Python program which accepts the radius of a circle from the user and compute the area.
- 2) Write a Python program to calculate the sum of three given numbers, if the values are equal then return thrice of their sum.
- 3) Write a Python program to get a string which is n (non-negative integer) copies of a given string.
- 4) Write a Python program to find whether a given number (accept from the user) is even or odd, print out an appropriate message to the user.
- 5) Write a Python program to test whether a passed letter is a vowel or not.
- 6) Write a Python program to create a histogram from a given list of integers.
- 7) Write a Python program to sum of three given integers. However, if two values are equal sum will be zero.
- 8) Write a Python program to count the number of characters (character frequency) in a string.