**Experiment - 1.5(b)**

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**Branch: ME – CSE - AIML Section/Group: MAI – 1 (A)**

**Semester: 1st Date of Performance: 06 Sep 2023**

**Subject Name: Python Programming Subject Code: 23 CSH 623**

1. **Aim of the Experiment :**

## Write a Python program to print the sum of all elements in an array

1. **Objective of the Experiment :**

To print the sum of all elements in an array

1. **Algorithm/ Steps for Experiment**

**STEP 1:** Declare and initialize an array.

**STEP 2:** The variable sum will be used to calculate the sum of the elements. Initialize it to 0.

**STEP 3:** Loop through the array and add each element of the array to the variable sum as sum = sum + arr[i].

1. **Code for Experiment :**

arr = [1, 2, 3, 4, 5];

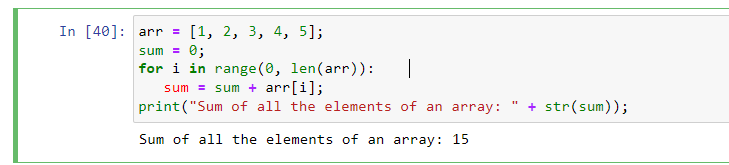
sum = 0;

for i in range(0, len(arr)):

sum = sum + arr[i];

print("Sum of all the elements of an array: " + str(sum));

1. **Result/Output :**

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**Learning outcomes (What I have learnt):**

1. Learnt different operations performed on array like sum of elements in the array.

**Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):**

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| **Sr. No.** | **Parameters** | **Maximum Marks** | **Marks Obtained** |
| **1.** | **Student Performance**  **(Conduct of experiment)**  **Objectives/Outcomes.** | 12 |  |
| **2.** | **Viva Voce** | 10 |  |
| **3.** | **Submission of Work Sheet**  **(Record)** | 8 |  |