### Task-3

# **Question-1**

Consider the vector [10, 11, 12, 13, 14], how to build a new vector with 5 consecutive zeros interleaved between each value?

#### **OUTPU T:**

# **Question-2**

Consider two random array A and B, check if they are equal

#### **OUTPUT:**

## **Question-3**

What is the result of the following expression?

#### **OUTPUT:**

### **Question-4**

Convert the first character of each element in a series to uppercase?

#### **OUTPUT:**

```
========= RESTART: C:/Users/P Havirbhavi/OneDrive/Desktop/4.py ============ Amrita School Of Engineering Chennai Campus
```

# **Question-5**

1. Multiplying a matrix

#### **OUTPUT:**

## 2. Identity Matrix

### **OUTPUT**:

3. Array datatype conversion

### OUTPUT:

```
======== RESTART: C:/Users/P Havirbhavi/OneDrive/Desktop/5 2.py ===========int32
```