**def** subArrayExists(arr, n):

**for** i **in** range(n):

        # Starting point of the subarray and

        # sum is to be initialized with the first element of subarray

        sum **=** arr[i]

**if** sum **==** 0:

**return** True

**for** j **in** range(i **+** 1, n):

            # We are finding the sum till the jth index

            # starting from the ith index

            sum **+=** arr[j]

**if** sum **==** 0:

**return** True

**return** False

**if** \_\_name\_\_ **==** "\_\_main\_\_"

    arr **=** [**-**3, 2, 3, 1, 6]

    N **=** len(arr)

**if** subArrayExists(arr, N):

**print**("Found a subarray with 0 sum")

**else**:

**print**("No Such Sub Array Exists!")