**Assembly post Lab**

**Q1) Write a code to merge two arrays placed in the memory .**

eg.

array1: dw 1, 3, 5, 7

array2: dw 2,4,6,8

Result

merged: dw 1,2,3,4,5,6,7,8

**Q2) Write a code to find the prime numbers from an array and store 1 in another array if the number is prime and 0 if it is not prime.**

eg.

array\_num :dw 2, 4,7,9,8,11

result: dw 1,0,1,0,0,1

**Q3)write a code to find the common elements of two arrays and store the common elements in the third array.**

eg.

arr1:dw 1, 45, 19, 5,20,35

arr2: dw 3,4,5,19,20,15

result: 5,19,20