**ACTIVITIES:**

1. Translate the following pseudo-code to Assembly Language:

(a)

**var = 5**

**if ( var > ecx ) OR (ecx =< edx)**

**then**

**x = 1**

**else**

**x = 0**

(b)

**var = 0**

**while( var <= 10)**

**if (var % 2 == 0)**

**Print “Hello”**

**else**

**Print “World”**

**var = var + 1**

**end while**

**3**. Use cmp and jumps to separate the all non-zero and zero values in the given array and saved them in their respected array:

**intArr SWORD 0, 0, 0, 0, 1, 20, 35, -12, 66, 4, 0**

**Zero word 10 dup (?)**

**Non\_Zero word 10 dup (?)**

4. Write a program that takes three input character from the user. Then compare and display a message whether these characters are equal or not.

6. Write a program for sequential search. Take an input from the user and find if it occurs in the following array:

**arr WORD 10, 4, 7, 14, 299, 156, 3, 19, 29, 300, 20**

7. Translate the following pseudo-code to Assembly Language:

**Swap\_Count = 0**

**for all elements of list**

**if list[i] > list[i+1]**

**swap(list[i], list[i+1])  
 Swap\_Count = Swap\_Count + 1**

**end if**

**end for**

**Print Swap\_Count**