Lab 08 Tasks

Task 01

Write a program that takes four input integers from the user. Then compare and display a message whether these integers are equal or not.

Task 02

Use cmp and jumps to find the first non-zero value in the given array:

```
intArr SWORD 0, 0, 0, 150, 120, 35, -12, 66, 4, 0
```

Task 03

Implement the following given code in Assembly and Consider var = 5 , edx = var+1 and counter value from array initialized in **Task 02**.

```
if (var < ecx & ecx >= edx) {
     x = 0;
else {
     x = 1;
}
```

The program should display a message for both if block and else block, i.e.,

x = 0
Condition is True

OR

x = 1
Condition is False

Task 04

Implement the following given code in Assembly and consider var = 0.

```
while (var <= 10) {
     if (var < 5) {
          cout << "Hello World!";
     }
     else {
          cout << "Condition is False!";
     }
     var +=1;
}
```

The string "Hello World!" should be printed 5 times and the string "Condition False" should be printed 6 times on the console.

Task 05

Write a program to print weekday based on given number.