



**CSE341: Microprocessors**  
**Department of Computer Science and Engineering**

**Assignment 03 (Lab 04)**

**Task 01**

Write a program which takes in 3 digits as input from the user and finds the maximum

**Sample input:**

1st input: 1  
2nd input: 2  
3rd input: 3

**Sample Output:**

3

**Task 02**

Take two digits as input from the user and multiply them. If the result is divisible by 2 or 5 but not both, print “Divisible”. Otherwise print “Not divisible”

**Sample input:**

1st input: 2  
2nd input: 4

Result is 8

**Sample Output:**

Divisible

**Sample input:**

1st input: 7  
2nd input: 7

Result is 49

**Sample Output:**

Not divisible

**Task 03**

Write a program which takes in a digit from 1 to 6 where each digit represents a month in a calendar year. For example the digit 1 represents January, 2 represents February, and 3 represents March and so on. Your program should then output the total number of days in that month

**Sample input:**

4 [which represents April]

**Sample Output:**

30

**Sample input:**

2 [which represents February]

**Sample Output:**

28

**Task 04**

Write a program that takes as input the length of 3 sides of a triangle and check whether a valid triangle can be formed or not. If the sides form a triangle, print “Y”, otherwise print “N”.

**Sample input:**

1<sup>st</sup> side: 7

2<sup>nd</sup> side: 1

3<sup>rd</sup> side: 1

**Sample Output:**

N

**Sample input:**

1<sup>st</sup> side: 7

2<sup>nd</sup> side: 8

3<sup>rd</sup> side: 9

**Sample Output:**

Y