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 median (i.e., middle number).

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

Sample output:
2

Task 02

Take two digits as input from the user and add them. If the result is divisible by 2 or 3, print "Divisible". Otherwise print "Not divisible".

Sample input:
1st input: 5
2nd input: 7

Sample output:
Divisible

Sample input:
1st input: 5
2nd input: 2

Sample output:
Not divisible

Task 03

Write a program which takes in a digit from 1 to 7 where each digit represents a day in a week. The week starts on Sunday (i.e., 1 represents Sunday). Your program should then output the name of the day.

Sample input:
4

Sample output:
Wednesday

Task 04

Write a program that takes as input the length of 3 sides of a triangle and check whether they form an acute triangle or not. (Note: A triangle is acute if $a^2 + b^2 > c^2,\ b^2 + c^2 > a^2,\ c^2 + a^2 > b^2$; where a, b, c are the three sides). If the sides form an acute triangle, print "Y", otherwise print "N".

Sample input:
1st side: 3
2nd side: 4
3rd side: 5

Sample output:
N

Sample input:
1st side: 7
2nd side: 8
3rd side: 9

Sample output:
Y