CS19003 Programming and Data Structures Laboratory
Assignment 2

▷ Name the files as ⟨assignment no⟩_⟨question no⟩_⟨roll no⟩.c, without the ⟨ and ⟩. Consult your mentor for any confusion. Penalty if the file names do not stick to this convention.

▷ This is an assignment on conditionals. Restrict yourself to the concepts taught in the theory classes so far. Do not use loops, arrays, functions or any other advanced concept.

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1. Write a program that takes in a date of the year 2021 and prints out which day it is. You may use the fact that January 1, 2021 is a Friday.

   Sample input and output

   Enter day and month: 11 8
   Wednesday.

   [10 points]

2. Write a program that takes in an integer between 1 and 99 (both inclusive) and prints the number in words.

   Sample input and output

   Enter an integer between 1 and 99: 17
   Seventeen
   Enter an integer between 1 and 99: 37
   Thirty Seven

   [10 points]

3. Write a program that takes in a positive integer n, and returns the number of positive integers less than or equal to n that are divisible by exactly one of 4, 6 and 10. Example: If n=20 your program should print 6 as there are 6 numbers less than or equal to 20 that are divisible by exactly one of 4, 6 and 10: 4, 6, 8, 10, 16, 18. 12 is divisible by both 4 qand 6, and hence should not be considered. Similarly 20 is divisible by both 4 and 10, and hence should not be considered.

   [Note: You need to print only the number of such integers, not the integers themselves.]

   [10 points]