

# **CENG 111 – Computer Programming I**

## **Labwork 7**

Q1

Write a C program to display square root of first 5 positive even integers on the screen.

Q2.

Write a program that input n and n personal information of employees. Each employee information contains gender code ( F for females, M for males) and age. Program will find and display:

- a. Number of female workers older than 30 and number of male workers younger than 50
- b. Average age of female and male workers

Q3.

Write a C program that inputs integer numbers until -999 is input. Your program will find and display the average value of the positive integers and negative integers inputted by user.

Q4.

Assume user enters a series of characters and wants to know how many vowels exist in it.

Let's assume the number of characters in the series entered by the users is 20. Write a program using a for loop to read the characters and count how many characters of each vowel occurs in it. For example, if the series is 'ABNAVOIEIKONVKAPLBO' then your program should print:

'A' repeated 2 time(s)

'E' repeated 1 time(s)

'I' repeated 2 time(s)

'O' repeated 3 time(s)

'U' repeated 0 time(s)

Use switch-case statement to count the vowels. Assume all characters are capital characters.