KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
COLLEGE OF COMPUTER SCIENCE AND ENGINEERING
COMPUTER ENGINEERING DEPARTMENT

COE 205 - Term 061
Programming Assignment 1

Write a program in assembly language that reads a number with a single digit as input, multiply the number by 2 and displays the result.
Follow the following guidelines.
1. Reading the number
    a. Display message asking the user to enter the number
    b. User enters the number.
2. Multiply the entered number by 2 (ADD the number to itself)
3. Display of the result:
    a. Check if result is greater or equal than 0Ah (decimal ten). In this case display 1 followed by the result minus 0Ah
    b. if result is less than 0Ah (decimal ten), display 0 followed by the result
    c. Remember that to display a number you need to display the ASCII code of the digits forming the number.

*   All submissions are by email.
*   Send your email with the following subject: **COE 205 PRG ASSGNT**. Subject is in uppercase letters (as shown here).
*   In the body of the email, write your name and ID number.
*   Also, write your name and ID number in the source code as well.
*   Send your program source code only. DO NOT SEND the EXECUTABLES
*   Your filename should be **prg1_XX.asm**; XX corresponding to your order in the roster list. Example: a student who is number 5 will send: **prg1_05.asm**
*   Put your explanations in your source code file as comments.
*   Grading Policy:

Program does not assemble:	10 points
Program assembles but does not do anything meaningful:	25 points
Program assembles but does work with significant problems:	50 points
Program assembles but does work with medium problems:	60 points
Program assembles but does work with minor problems:	75 points
Program assembles and works perfectly:	85 points
Comments:	Between 15 to 25 points extra if well commented.
NO Comments:	20 points penalty