1. Write a pseudo code to display the score range for each letter grade, when the user inputs a letter grade. The program will only run once and at first the program must display a message asking the user to input the desired letter grade. Please check the course web page to find the score ranges for each letter grade.

Ex: if the user input “B+”, the program should output “87-89”

   If the user input “A” the program should output “90-100”

   If the user input an invalid letter grade, for example “M”, the program should display an error message

Sample Solution

PROGRAM ShowScoreRange

Write “Please input the Letter Grade”

Read LetterGrade

Set ScoreRange to “90-100”

IF (grade == “A”)
    Set ScoreRange to “90-100”
ELSE IF (grade == “B+”)
    Set ScoreRange to “87-89”
ELSE IF (grade == “B”)
    Set ScoreRange to “80-86”
ELSE IF (grade == “C+”)
    Set ScoreRange to “77-79”
ELSE IF (grade == “C”)
    Set ScoreRange to “70-76”
ELSE IF (grade == “D+”)
    Set ScoreRange to “67-69”
ELSE IF (grade == “D”)
    Set ScoreRange to “60-66”
ELSE IF (grade == “F”)
    Set ScoreRange to “0-60”
ELSE

Write “Invalid Letter Grade!”

EXIT PROGRAM

Write “Score range is ”, ScoreRange

2. Write a pseudocode for a program to find the maximum number from a sequence of numbers input by the user. The program should first ask the user, how many numbers it should expect? Once the user enters that value, the program should accept the sequence of numbers that equal to the expected number count. Finally it must display the maximum number out of that sequence of numbers input by the user.(hint: use while loop).

3. Write the pseudocode for a program that takes two separate inputs from the user and saves them in the dividend and divisor variables. It then checks to be sure that the divisor is not 0, and prints up the dividend divided by the divisor of that is true, and prints “Can’t divide by zero” if it is not.

4. Write the pseudocode for a program that would find the average of 3 numbers. The program must ask for the 3 numbers from the user and once all 3 numbers are entered, the program must display the average of those 3 numbers.

5. Write a program in pseudocode that reads in three values and writes out the result of subtracting the second value from the sum of the first and third values.

6. Write a program in pseudocode to get 3 integers from the user and print them in numeric order.