Code : CS-COMP6360-Var01

Learning Outcomes
LO1 : Differentiate between conventional programming and OOP
LO2 : Describe the main features of OOP

Topic
- Session 06 – Array, ArrayList, Vector

Sub Topics
- Array Definition and Declaration
- ArrayList Method
- Two dimensional Array
- Vector Method

Soal
Case

Speed guess is a game that will display a table of number. The number will be randomized by the program. User just need to guess the total of odd number.
- At the beginning of the program, the program will ask user to input the number of row and column of the matrix
- The program will generate random number and assign to the matrix
- User will be asked to enter the total of odd number
- If the answer is correct, a message will be displayed "You Are Brilliant"
- If the answer is wrong, a message will be displayed "You Are Wrong"
- The number will be changed every time the program is run

Please run the EXE file to see the sample program.

Print Screen of First Screen

```
Speed Guess?
Matrix Row Size [Max 20] = 4
Matrix Column Size [Max 20]= 3


Speed Guess Random Matrix

[0] [0] 77        [0] [1] 38       [0] [2] 11
[1] [0] 61        [1] [1] 31       [1] [2] 63
[2] [0] 84        [2] [1] 47       [2] [2] 62
[3] [0] 44        [3] [1] 30       [3] [2] 60

How many odd Number ?6
You Are Brilliant
```

Print Screen of Second Screen

```
Speed Guess?
Matrix Row Size [Max 20] = 6
Matrix Column Size [Max 20]= 7


Speed Guess Random Matrix

[0] [0] 70     [0] [1] 2     [0] [2] 21     [0] [3] 73     [0] [4] 99     [0] [5] 64     [0] [6] 79
[1] [0] 46     [1] [1] 5     [1] [2] 56     [1] [3] 3      [1] [4] 59     [1] [5] 42     [1] [6] 80
[2] [0] 65     [2] [1] 14    [2] [2] 73     [2] [3] 83     [2] [4] 49     [2] [5] 44     [2] [6] 60
[3] [0] 61     [3] [1] 43    [3] [2] 8      [3] [3] 29     [3] [4] 53     [3] [5] 95     [3] [6] 65
[4] [0] 15     [4] [1] 10    [4] [2] 39     [4] [3] 76     [4] [4] 20     [4] [5] 99     [4] [6] 26
[5] [0] 26     [5] [1] 82    [5] [2] 16     [5] [3] 17     [5] [4] 8      [5] [5] 32     [5] [6] 40

How many odd Number ?4
You Are Wrong
```