

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

Guess Multi is a game that will display a 5 x 5 matrix of number. The number will be randomized by the program.

- At the beginning of the program will generate the number from 0 – 100.
- The generated matrix will be displayed to the screen
- The program will also generate four numbers that will be used to get the number from the matrix
- User will be asked to enter multiplication of the two number from the cell that are displayed previously
- 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

Guess Multiplication Random Matrix

[0] [0] 28	[0] [1] 1	[0] [2] 20	[0] [3] 89	[0] [4] 6
[1] [0] 73	[1] [1] 57	[1] [2] 1	[1] [3] 14	[1] [4] 53
[2] [0] 40	[2] [1] 99	[2] [2] 83	[2] [3] 34	[2] [4] 73
[3] [0] 21	[3] [1] 47	[3] [2] 99	[3] [3] 67	[3] [4] 22
[4] [0] 23	[4] [1] 96	[4] [2] 98	[4] [3] 28	[4] [4] 90

What is the result of angka[2][3] times angka[3][0] ?714

You Are Brilliant

Print Screen of Second Screen

Guess Multiplication Random Matrix

[0] [0] 9	[0] [1] 60	[0] [2] 42	[0] [3] 50	[0] [4] 23
[1] [0] 24	[1] [1] 84	[1] [2] 99	[1] [3] 87	[1] [4] 7
[2] [0] 89	[2] [1] 87	[2] [2] 82	[2] [3] 26	[2] [4] 55
[3] [0] 69	[3] [1] 34	[3] [2] 4	[3] [3] 69	[3] [4] 27
[4] [0] 16	[4] [1] 68	[4] [2] 54	[4] [3] 91	[4] [4] 94

What is the result of angka[1][2] times angka[0][3] ?4

You Are Wrong