


Solution

National University of Computer and Emerging Sciences, Lahore Campus

	Course Name:	Programming Fundamentals	Course Code:	CS118
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	Duration:	20 mins	Total Marks:	10
	Paper Date:	29-11-2019	Weight	5 %
	Section:	B	Page(s):	1
	Exam Type:	Quiz-2		

Student : Name: _____ **Roll No.** _____

Section: _____

Instruction/Notes: Understand the question before attempting it. Keep calm and don't overthink.

Question1 :

(5)

Consider the following declaration:

```
int beta[3][3];
```

What is stored in beta after each of the following statements executes?

a. for (i = 0; i < 3; i++) for (j = 0; j < 3; j++) beta[i][j] = 0;	0 0 0 0 0 0 0 0 0
b. for (i = 0; i < 3; i++) for (j = 0; j < 3; j++) beta[i][j] = i + j;	0 1 2 1 2 3 2 3 4
c. for (i = 0; i < 3; i++) for (j = 0; j < 3; j++) beta[i][j] = i * j;	0 0 0 0 1 2 0 2 4
d. for (i = 0; i < 3; i++) for (j = 0; j < 3; j++) beta[i][j] = 2 * (i + j) % 4;	0 2 0 2 0 2 0 2 0