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NORTH AMERICAN
UNIVERSITY
INSPIRATION INNOVATION GLOBAL COMPETENCE


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Dashboard > My courses > COMP > COMP 3320.Programming Languages.2017SPR.s1 > 27
February - 5 March > Homework 7

| | |
|---------------------|-----------------------------------|
| Started on | Wednesday, 1 March 2017, 10:16 AM |
| State | Finished |
| Completed on | Wednesday, 1 March 2017, 10:18 AM |
| Time taken | 1 min 9 secs |
| Marks | 2.00/2.00 |
| Grade | 100.00 out of 100.00 |

Question 1

Correct Mark 1.00 out of 1.00

Assume the following non-terminals are given: `<type>`, `<id>`, `<literal>`, `<assign>`, `<expr>`, and `<stmt_list>`.

Which of following cannot be written with this grammar:

`<for> -> for '(' [[<type>] <id> = <expr> {, [<type>] <id> = <expr>}] ; [<expr>] ;
[<expr> {, <expr>}] ')' '{' <stmt_list> '}'`

Select one:

- ☐ a. `for (int k = 0, m = 100; k < n; k++, m++)`
`{`
`a = a + 1;`
`}`
- ☐ b.

```
for (int i = 0; i < k; i++)  
{  
    a = a * 2;  
}
```

☒ c.

```
for (i = 0, i < n, i++);  
{  
    a = a + 1;  
} ✓
```

☐ d.

```
for (int i = 0; i < n; i++)  
{  
    a = a + 2;  
}
```

Your answer is correct.

The correct answer is:

```
for (i = 0, i < n, i++);  
{  
    a = a + 1;  
}
```

Question 2

Correct

Mark 1.00 out of 1.00

EBNF is ideally suited for recursive-descent parsers.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.