

<http://www.na.edu>E-mail: moodle@na.edu

**NORTH AMERICAN
UNIVERSITY**
INSPIRATION INNOVATION GLOBAL COMPETENCE

**Islam Kamilov**

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

Started on	Wednesday, 1 March 2017, 10:21 AM
State	Finished
Completed on	Wednesday, 1 March 2017, 10:21 AM
Time taken	23 secs
Marks	2.00/2.00
Grade	100.00 out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

A recursive-descent parser is so named because it consists of a collection of subprograms, many of which are recursive, and it produces a parse tree in top-down order.

Select one:

- ☒ True ✓
- ☐ False

The correct answer is 'True'.

Question 2

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 i = 0; i < k; i++)
{
 a = a * 2;
}
```
- ☐ b. for (int k = 0, m = 100; k < n; k++, m++)
- ```
{  
    a = a + 1;  
}
```
- ☒ 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;
```

```
}
```