

Homework #5 – There was a farmer had an array

DUE: October 8 by 11:59:59 PM

Assigned: October 1

Background

Print lyrics to the song BINGO.

Assignment Requirements

- The name of your source code file shall be hw05.cpp
- The following two declarations are required:
 - `const int SIZE = 5;`
 - `const char dog[SIZE] = {'B', 'I', 'N', 'G', 'O'};`
- **ANY** time the word BINGO needs to be printed, in any form, it must be done by accessing the array
- **ANY** time the word BINGO needs to be printed, in any form, it must be done with a loop

Sample Run

```
There was a farmer had a dog
and Bingo was his name-o
B I N G O
B I N G O
B I N G O
And Bingo was his name-o
```

```
There was a farmer had a dog
and Bingo was his name-o
* I N G O
* I N G O
* I N G O
And Bingo was his name-o
```

```
There was a farmer had a dog
and Bingo was his name-o
* * N G O
* * N G O
* * N G O
And Bingo was his name-o
```

```
There was a farmer had a dog
and Bingo was his name-o
* * * G O
* * * G O
* * * G O
```

And Bingo was his name-o

There was a farmer had a dog
and Bingo was his name-o

* * * * 0

* * * * 0

* * * * 0

And Bingo was his name-o

There was a farmer had a dog
and Bingo was his name-o

* * * * *

* * * * *

* * * * *

And Bingo was his name-o

Hints

- While not required, functions can be helpful
- The library `<cctype>` may come in handy
- Get the full song to print first. Then worry about the `'*'`. Then worry about turning BINGO into Bingo

Reminders

- Be sure to include a comment block at the top of every file with the required information
 - Refer to the General Homework Requirements handout on Blackboard
- Provide meaningful comments
 - If you think a comment is redundant, it probably is
 - If you think a comment is helpful, it probably is
 - Remember that you are writing comments for other programmers, not people who know nothing (obligatory Jon Snow) about coding
 - Comments are more helpful when they explain why, not what or how
- There will be no extensions

Preparing and Submitting

- Your code must be able to compile and run on the EECS lab machines
 - You are responsible for testing your code
 - “But it runs fine on my machine!” will **not** earn you any points
- Submit **ONLY** your source code file
- Homework submission will be handled exclusively through Blackboard