

Solution: displayMenu() Function

This lesson provides a solution to the coding challenge given in the previous lesson.

WE'LL COVER THE FOLLOWING ^

- Solution
- Solution explanation

Solution

Here is how the `printMenu()` function can be written to output the whole menu.

```
import std.stdio;

void printMenu(string[] items, int firstNumber) {
    foreach (i, item; items) {
        writeln(' ', i + firstNumber, ' ', item);
    }
}

void main() {
    string[] items = [ "Black", "Red", "Green", "Blue", "White" ];

    printMenu(items, 1);
}
```



Program with printMenu() function

Solution explanation

- In line 3:

```
void printMenu(string[] items, int firstNumber) {
```

Here, the `printMenu()` function is accepting two parameters: an array of

strings and `firstNumber` value. `[]` characters along with `string`

`keywords` specifies that this function will accept an array as a parameter so that the whole menu can be printed from this function.

- **In line 4 and 5:**

```
foreach (i, item; items) {  
    writeln(' ', i + firstNumber, ' ', item);
```

We are using the `foreach` loop to iterate over the whole `items` array, and using the variable `i` as the number to be printed along with the color name.

In the next lesson, you will find a quiz based on the concepts of functions.