

```
1  /**
2   * Cipher a message 5 characters
3   * off the ASCII value
4   */
5  #include <cs50.h>
6  #include <stdio.h>
7  #include <string.h>
8
9  int main(int argc, string argv[])
10 {
11     // Get a plaintext from the user
12     string message = get_string("Plaintext: ");
13
14     // De-cipher the message
15     printf("The cipher message is: ");
16
17     // For each character
18     for (int i = 0; i < strlen(message); i++)
19     {
20         // Go 5 ASCII characters ahead with "wrapping" (only works for upper case)
21         printf("%c", (((message[i]) - 'A' + 5) % 26) + 'A');
22     }
23
24     // New line
25     printf("\n");
26
27     // Return success
28     return 0;
29 }
```