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```
1 // Assignment #3
2 // CS 504
3 // Wei
  import java.util.*;
  public class AssignmentThree
8
       public static void main (String [] args)
9
10
           Scanner keyboard = new Scanner(System.in);
11
           System.out.println("Please enter an original sentence in English.");
12
           String sentence = keyboard.nextLine();
13
           System.out.println(convertToMorse(sentence));
14
       }
15
16
       public static String convertToMorse(String sentence)
17
18
           String alphabet = "ABCDEFGHIJKLMNOPQRSTUVWXYZ";
19
           String code[] = {"
20
21
22
           sentence = sentence.toUpperCase();
23
24
           while(!sentence.contains("$"))
25
26
               for(int a = 0; a < sentence.length(); a++)</pre>
27
                    {
28
                        char letter = sentence.charAt(a);
29
                        if (letter == ' ')
30
                            {
31
                                System.out.print ("ø");
32
                                continue:
33
                            }
34
                        for(int variable = 0; variable < alphabet.length(); variable++)</pre>
35
```

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```
{
36
                                 if(alphabet.charAt(variable) == letter)
37
38
                                          System.out.print(code[variable] + "ø");
39
                                          break;
40
                                     }
41
                             }
42
                    }
43
44
           System.out.println("\nPlease enter a sentence in English, or enter $ to quit");
45
46
           Scanner keyboard = new Scanner(System.in);
47
           sentence = keyboard.nextLine();
48
           sentence = sentence.toUpperCase();
49
50
51
           return " ";
52
       }
53
54 | }
55
```