Quiz 1

1. what is the output of the following code?

public class PunchCard {  
 public static void main(String[] args) {  
 String original = "Java is great";  
 String modified = "";  
  
 for (int i = original.length() - 1; i >= 0; i--) {  
 if (original.charAt(i) != ' ') {  
 modified = original.charAt(i) + modified;  
 } else {  
 break;  
 }  
 }  
 System.out.println(modified);  
 }  
}

1. taerg si avaJ
2. taerg
3. JAVA IS GREAT
4. great
5. java

*answer*: d - great

1. What should be in the blank to make the following code print Converted: hELLO wORLD!?

public class punchcard {  
 public static void main(String[] args) {  
 String input = "Hello World!";  
 String converted = "";  
  
 for (int i = 0; \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) {  
 char c = input.charAt(i);  
 if (Character.isUpperCase(c)) {  
 converted += Character.toLowerCase(c);  
 } else if (Character.isLowerCase(c)) {  
 converted += Character.toUpperCase(c);  
 } else {  
 converted += c; // For non-alphabetic characters  
 }  
 }  
  
 System.out.println("Original: " + input);  
 System.out.println("Converted: " + converted);  
 }  
}

1. i ++
2. input.length() - 1
3. i < input.length(); i++
4. i >= input.length(); i--
5. i <= input.length(); i++

*answer*: c - i < input.length(); i++