

### Assignment 1 (code correction)

Below this text is the code of a method that is supposed to print characters from the entered String in the zig-zag order: the first character, the last character, the second character, the second from the end character etc. finally printing the character (characters) in the middle of the String. If the "ABCDE" String value is entered as the method argument, the final output on the screen should be "AEBDC", and if "ABCD" is entered, the method should print out "ADBC".

The following code can compile, but does not do what it's supposed to do. Create the StringTransform class (in the Eclipse environment), copy (retype) the code that has been given and correct it (**with minimal changes**) so that it works properly.

```
public class StringTransform {

    public static void printZigZag (String s){
        for (int i=0;i<s.length()/2;i++){
            System.out.print(s.charAt(i));
            System.out.print(s.charAt(s.length()-i-1));
        }
        if (s.length()/2==1)
            System.out.print(s.charAt(s.length()/2+1));
    }
}
```

### Assignment 2 (code correction)

Below this text is the code of a method that is supposed to print characters from the entered String in the zig-zag order, both starting at the middle of the String moving towards its ends: the character (characters) in the middle of the String, the character directly before the middle and directly after the middle, the character two places before the middle, the character two places after the middle, etc. finally printing the first and the last character. If the "ABCDE" String value is entered as the method argument, the final output on the screen should be "CBDAE", and if "ABCD" is entered, the method should print out "BCAD".

The following code can compile, but does not do what it's supposed to do. Create the StringTransform2 class (in the Eclipse environment), copy (retype) the code that has been given and correct it (**with minimal changes**) so that it works properly.

```
public class StringTransform2 {

    public static void printZigZag2 (String s){
        if (s.length()%2==1)
            System.out.print(s.charAt(s.length()-1));

        for (int i=s.length()/2-1;i>=0;i++){
            System.out.print(s.charAt(i));
            System.out.print(s.charAt(s.length()-i-1));
        }
    }
}
```