```java
/**
 * Prints a given string, backward. Then prints the middle character in the string.
 * The program expects to get one command-line argument: A string.
    Use the string functions str.length() and str.charAt( i ) . You can read
    about them by consulting the String class API (search the Internet for “ java 16 string ”). The
    program can be implemented using either a for loop that goes backward, or a while loop that
    goes backward. Implement the program using a for loop. Then write a second implementation
 */
public class Reverse {
    public static void main (String[] args){
        String stringToCheck = args[0].toString();
        String reveredString = "";
        String middleChar = "";

        for (int i = stringToCheck.length() - 1; i >= 0; i--) {
            reveredString = reveredString + stringToCheck.charAt(i);
        }

        if (stringToCheck.length() % 2 == 0) {
            middleChar = middleChar + stringToCheck.charAt((stringToCheck.length() / 2) - 1);
        } else {
            middleChar = middleChar + stringToCheck.charAt((stringToCheck.length() / 2));
        }

        System.out.println(reveredString);
        String message = "The middle character is " + middleChar;
        System.out.println(message);
    }
}
```