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package prg2;

import java.util.Scanner;
public class PasswordProtection
{
    public static void main( String [] args )
    {
        Scanner scan = new Scanner( System.in );

        String message = "correct";
        System.out.println( "Please enter a password" );
        String password = scan.nextLine();

        //Check for length
        if (password.length() < 8 )
            message = "Error--too short";

        //Check for presence of special characters
        else if (password.indexOf("!") < 0    &&    password.indexOf("?") < 0    &&
password.indexOf("@") < 0)
            message = "Error--does not contain an !,@,or ?";

        //Check for illegal characters
        else if (password.indexOf("?") == 0    ||    password.indexOf("!") == 0)
            message = "Error--begins with an illegal character";

        //Check for spaces
        else if (password.indexOf(" ") > 0)
            message = "Error--contains a space";

        //Check for same 3 letters
        else if (password.charAt(0) == password.charAt(1)    &&    password.charAt(1) ==
password.charAt(2))
            message = "Error--first three letters are the same";

        //Check for letters that end with the same letter
        else if (password.charAt(password.length() - 1) ==
password.charAt(password.length()- 2)    &&    password.charAt(password.length()- 2) ==
password.charAt(password.length()- 3))
            message = "Error--the last three letters are the same";

        else
            message = "Correct!";

        System.out.println ( message );

    } //main
} //class

```