

Java S16 Class 8 HW

Write a Java Program to solve each one of the problem. Please name your project as **mention in each question**. Save all your project into one folder called **firtsname_lastname_C8_HW** and compress he folder drop into the olympiadcccjava@gmail.com google drive (**Folder Name: Java Summer 16 Session 1/2**). Please drop this homework in the **corresponding session number and corresponding class**. The password for the drop box is:

Area51sep911

Q1) Monogram.Java

Create a Monogram application that prompts a user for:

- First name
- Middle name
- Last name.

The program should then display a monogram with the first and middle initials in lowercase and the last initial in upper case. Notice that the last initial is displayed in the middle.



Your program should look similar to:

A screenshot of a Java application window titled "Basic Application Example". The window has a menu bar with "File" and "Help". The main content area has a large blue title "Monogram Creator". Below the title, there are three input fields with labels: "Enter your first name:" (containing "Augusta"), "Enter your middle initial:" (containing "Ada"), and "Enter your last name:" (containing "Lovelace"). At the bottom left, there is a "Create" button. To the right of the button, the text "Your Monogram is: aLa" is displayed in red. The window has standard Windows-style window controls (minimize, maximize, close) in the top right corner.

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Q2) Password.Java

Create a password program that prompts a user for:

- A username
- A password (at least 8 characters long).

When an acceptable password has been entered, a random number between 1 and 100 should be added to the password.

The username and password are then to be converted to all lowercase letters and the appropriate message is to be displayed.



Sample Output – Password Rejected

A screenshot of a Java application window titled "Basic Application Example". The window has a menu bar with "File" and "Help". The main content area has a title "Password Program" in blue. Below the title, there are two text input fields. The first is labeled "Enter a username:" and contains the text "AdaLovelace". The second is labeled "Enter a password:" and contains the text "Program". Below the password field, there is a note "(at least 8 characters)". Below the inputs is a button labeled "Generate Password". At the bottom of the window, there is a red error message that says "Password must be at least 8 characters long".

Sample Output – Password Accepted

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