

# Create CodingBat Account

**Objective:** To create a CodingBat account.

## Background:

We will be using a web site called CodingBat to practice algorithms and programming. You will need to create an account and fill in account fields properly to get credit for your work.

## Assignment:

1. Type **codingbat.com** into your web browser. You will be presented with a window like this.

The screenshot shows the CodingBat homepage. At the top left is the logo "CodingBat code practice". To the right are links for "about", "help", "code help+videos", "done", and "prefs". Below the logo is a welcome message: "Welcome to Codingbat. Lastest addition: java lambdas. See new features". On the right side, there is a login section with input fields for "id/email" and "password", a "log in" button, and links for "forgot password" and "create account". Below the login section are two tabs: "Java" and "Python". The main content area features three problem cards: "Warmup-1" (Simple warmup problems to get started), "Warmup-2" (Medium warmup string/array loops), and "Map-1" (Basic Map get()/put(), no loops). Each card has a star rating and a checkmark icon.

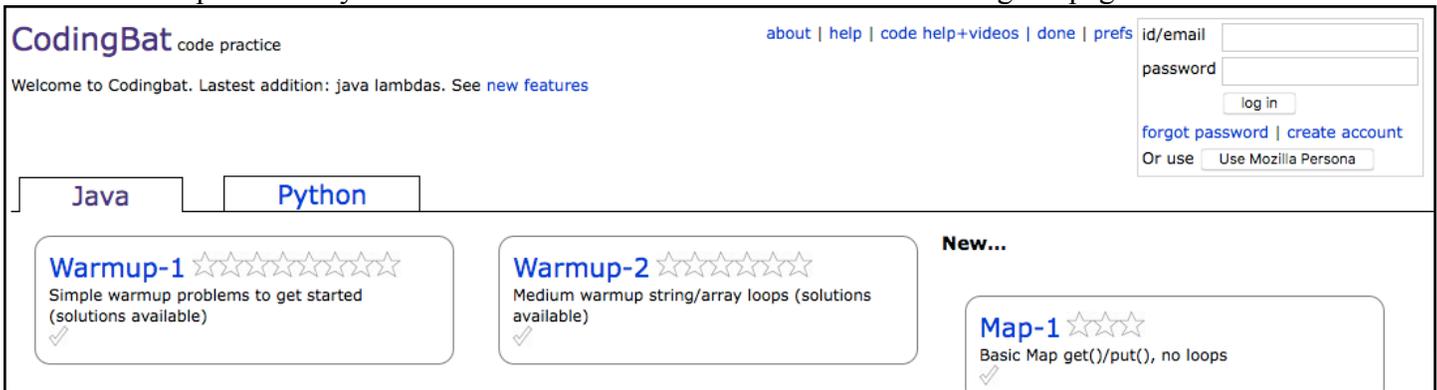
2. Click on “create account” in the upper right corner and the following page appears.

The screenshot shows the "Create Account" page on CodingBat. The title is "Create Account". Below the title is a paragraph of instructions: "Please enter information to create a new account. We use your email address as your id just so it's memorable and for password reset, not for spamming. New accounts automatically pick up any saved or done problems of the current session. The name field is not required, but with the Teacher Share feature, it can help the teacher see who is who. The password should have at least 6 characters." Below the instructions are two input fields: "Email (used as account id)" with the value "myName@myDomain.com" and "Password" with a masked password ".....". There is a "show/hide" button next to the password field. Below the input fields is a "Create Account" button. At the bottom left, there is a link for "privacy statement".

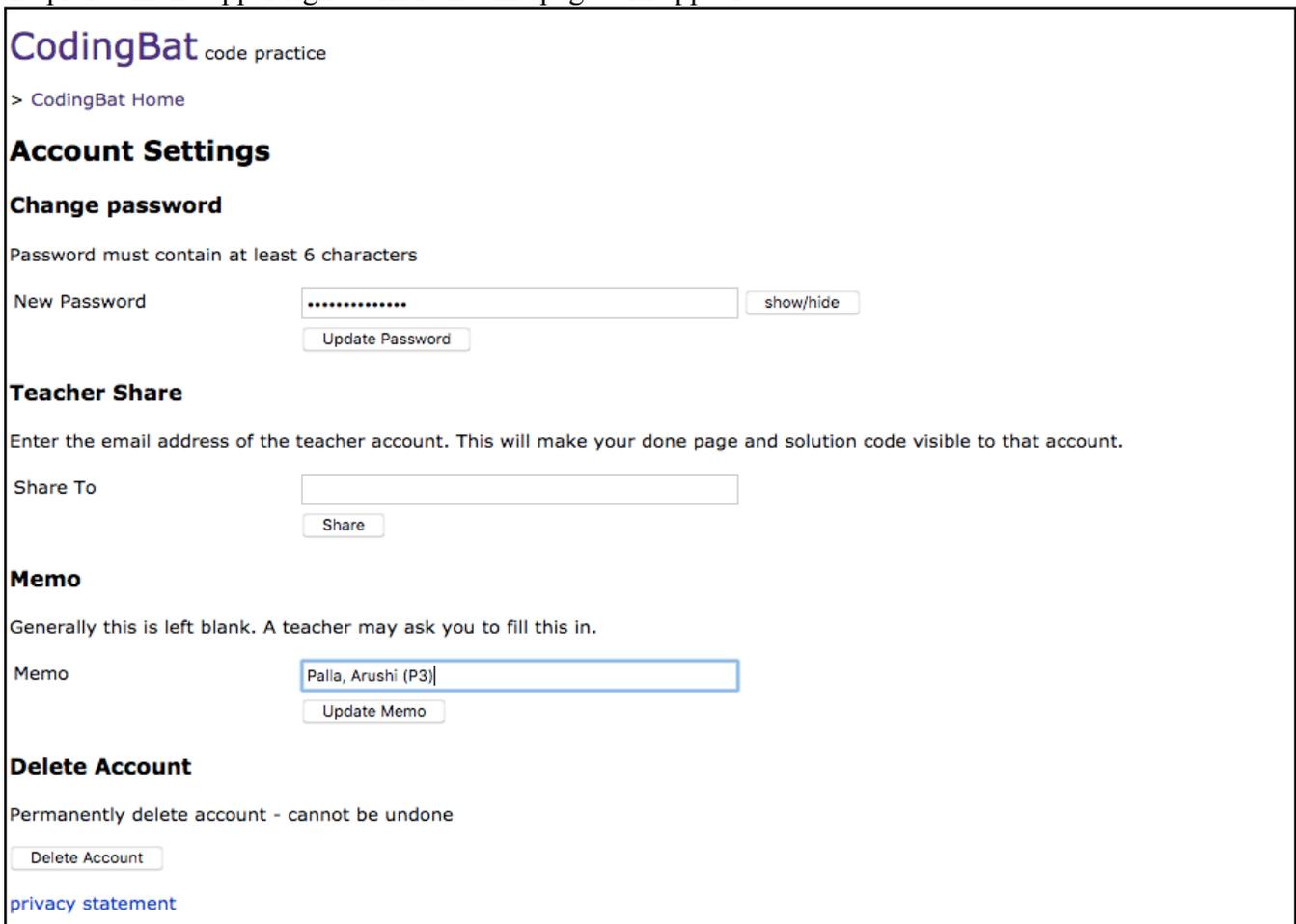
For “Email”, use your **school email** account.

For “Password”, use your **school password**!!! That way, you will not forget.

3. The last step is to link your account to Mr Greenstein's. Go back to the original page below.



Click “prefs” in the upper right corner and this page will appear.



For “Memo”, type in your name and period number like this: “**Palla, Arushi (P3)**”. The format is important since Mr Greenstein uses it to find your work and assign a grade.

Click “Update Memo” to save.

In the “Teacher Share” field type “**david\_greenstein@fuhsd.org**”.

Click “Share” and you are ready to work.

# CodingBat Warmups

**Objective:** To become more proficient and efficient in creating algorithms and implementing them in a programming language.

## Background:

The best way to become better at creating algorithms and programming solutions is **practice**! CodingBat is a web site that provides a wonderful practice environment for both. The site has a plethora of short, interesting problems that require creativity to solve. You will design an algorithm and implement a method in Java code for each one.

The first CodingBat problem looks like this:

### Warmup-1 > sleepIn

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The parameter weekday is true if it is a weekday, and the parameter vacation is true if we are on vacation. We sleep in if it is not a weekday or we're on vacation. Return true if we sleep in.

sleepIn(false, false) → true  
sleepIn(true, false) → false  
sleepIn(false, true) → true

**Go** ...Save, Compile, Run **Show Solution**

```
public boolean sleepIn(boolean weekday, boolean vacation) {  
}
```

**Compile problems:**  
missing return statement line:3  
see [Example Code](#) to help with compile problems

The “Go” button compiles and runs the code. Syntax errors and run time errors appear on the right. The “Show Solution” button only appears in the Warmup exercises. Try not to use this button, but instead solve the problem yourself. When you are successful, the following message appears.

Expected	Run	
sleepIn(false, false) → true	true OK	■
sleepIn(true, false) → false	false OK	■
sleepIn(false, true) → true	true OK	■
sleepIn(true, true) → true	true OK	■

 All Correct

## Assignment:

Do the **Warmup-1** exercises. If you have time, also do **Warmup-2** exercises.