

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.



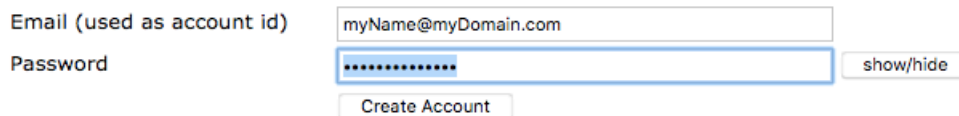
The screenshot shows the CodingBat website interface. At the top left, it says "CodingBat code practice" with links for "about", "help", "code help+videos", "done", and "prefs". Below this is a welcome message: "Welcome to Codingbat. Lastest addition: java lambdas. See new features". On the right side, there is a login form with fields for "id/email" and "password", a "log in" button, and links for "forgot password" and "create account". Below the login form 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.

CodingBat code practice

Create Account

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.



The screenshot shows the "Create Account" form. It has 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 fields is a "Create Account" button.

[privacy statement](#)

For “Email”, use your home email account.

For “Password”, use your **lab password**!!! That way, Mr Greenstein can help you recover if you 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.

CodingBat code practice

> CodingBat Home

Account Settings

Change password

Password must contain at least 6 characters

New Password

Teacher Share

Enter the email address of the teacher account. This will make your done page and solution code visible to that account.

Share To

Memo

Generally this is left blank. A teacher may ask you to fill this in.

Memo

Delete Account

Permanently delete account - cannot be undone

[privacy statement](#)

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

[prev](#) | [next](#) | [chance](#)

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.


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

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

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

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.