

6.189 - Intro to Python
IAP 2008 - Class 3
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Lab 3: Control Flow with If-Else-Elif

Problem 1 - Checking for complex roots

Yesterday, you wrote a function to print the roots of a quadratic equation. Improve that function by checking if the roots would be complex and printing a message saying so if they are.

Hint: The roots are complex if the discriminant is negative.

Problem 2 - Cafe menu

Write a program that first displays a simple cafe menu (see example below), asks the user to enter the number of a choice, and either prints the appropriate action OR prints an error message that their choice was not valid.

Example output:

1. Soup and salad
2. Pasta with meat sauce
3. Chef's special

```
Which number would you like to order? 2
One Pasta with meat sauce coming right up!
```

Another example output:

1. Soup and salad
2. Pasta with meat sauce
3. Chef's special

```
Which number would you like to order? 5
Sorry, that is not a valid choice.
```