

Task 2:



Welcome to Task 2. In this task, you will learn about control structures in Python and in programming.

Instructions:

Read **example.py**. Open it using **Notepad++** (Right click the file and select 'Edit with Notepad++') If you do not have **Notepad++** installed please install it using the instructions located at www.rmoola.com/pythonlessons.html.

- **Example.py** should help you understand some simple Python. Every task will have example code to help you get started. Make sure you read all of **example.py** and try your best to understand.
- You may run **example.py** to see the output. The instructions on how to do this are inside the file. Feel free to write and run your own example code before doing Task 2 to become more comfortable with Python.
- You are not required to read the entirety of **AdditionalReading.pdf**, it is purely for extra reference.

Compulsory exercise to finish Task 2:

Create a Python file called **Control.py** in this folder. Inside it, write a comment at the top of the program with you name. Then write code to take in a users age using **raw_input** and store their age in an integer variable called age. Then check if the users age is over 18. If the user is over 18, print out the message "You are old enough!" else if they are over 16 print "Almost there" otherwise print "Youre just too young!".

You should use one if elseif else statement to do this.

Below this, write Python code using one for loop and one if statement to print out all numbers from 0 that are less than the users inputted age.

Need some help?

Firstly, make sure that you have installed and setup all programs correctly. You have setup **Dropbox** correctly if you are reading this, but Python may not be installed correctly.

Visit www.rmoola.com/pythonlessons.html for a complete guide on how to setup the software.

Make sure you have **Python version 2.7** installed as per the instructions and not an older nor earlier version of Python.

Please refer to the pdf file **AdditionalReading.pdf** if you would like more examples of Python coding and explanations.

If you having problems understanding example.py or how to complete Task 2, please contact students@hyperiondev.com. One on one help sessions are available over the internet or in person in Westville, Durban or UKZN (Westville Campus) and these can be arranged by contacting us. **We employ paid teachers who are here to help you!**



Getting help on Piazza

You will need internet access on any device (even a phone) to complete this step.

1. Visit the following web address: www.tinyurl.com/hyperionpiazza

The screenshot shows the Piazza web interface for Hyperion Development. The page has a dark blue header with the 'piazza' logo and a 'Log In' button. Below the header, the main content area is light blue and features the text 'Hyperion Development (change school)'. A 'Welcome to Piazza!' message is displayed on the left, explaining the platform's purpose. In the center, there is a section titled 'Your Fall 2012 Classes:' which lists 'Class 1: Hyperion Programming 1: Introduction to Programming'. To the right of this class listing, there is a 'Class Access Code:' field with the code 'Hyperion' entered. A red arrow points to this field. Below the class listing, there are input fields for 'Class 2', 'Class 3', 'Class 4', and 'Class 5'. At the bottom of the page, there is an 'Add Classes' button.

2. The above should appear. Enter "**Hyperion**" in the "Class Access Code" field.

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Your Fall 2012 Classes:

Class 1: Hyperion Programming 1: Introduction to Programming
(edit)
Instructors: Riaz Moola, Tim Headley, Ebrahim Adam, Richard Morrow · 133 Enrolled
✓ Join as: ☒ Student ☐ TA ☐ Professor

Class Access Code:
Hyperion

Class 2: ×

Class 3: ×

Class 4: ×

Class 5: ×

[Add Another Class](#)

[Add Classes](#) ←

3. Select “**Student**” by clicking the circle to its left. Then click “**Add Classes**”.

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Log In

Hyperion Development
(change school)

Your Classes: (go back & edit classes)

1. **Hyperion Programming 1: Introduction to Programming**
Instructors: Riaz Moola, Tim Headley, Ebrahim Adam, Richard Morrow · 133 Enrolled
✓ Joining as Student

Please enter your school email address
Please enter the hyperiondev.com email address to which you would like to add your classes.

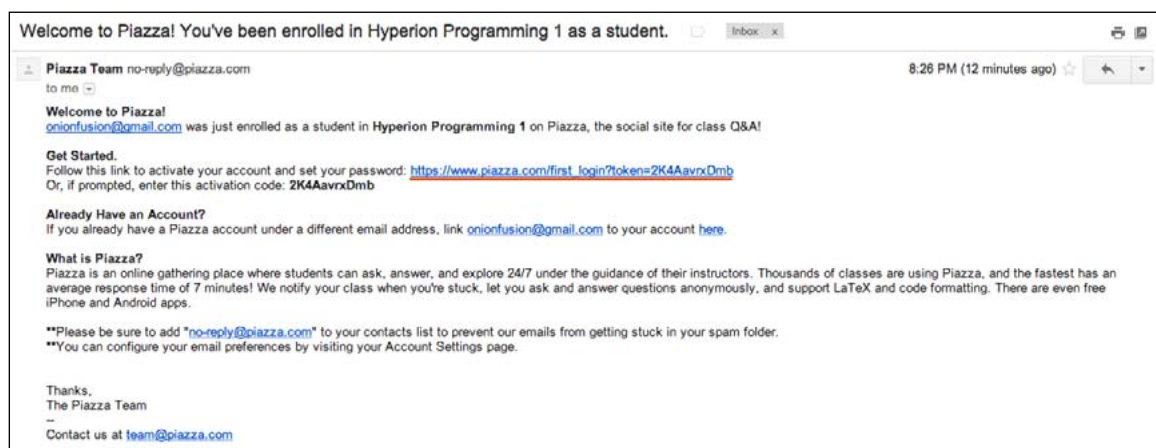
Email: ←

Confirm Email:

[Submit Email](#)

Unable to sign up? Email us at team@plazza.com or call us at 1-800-618-4124, and we'll help you get started!

4. Proceed to enter your **email address** and confirm to enrol for our programming course.



5. You should soon receive an email like above, guiding you on how to **confirm** and begin your learning with Hyperion.

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Class Access Code:
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Class 2: ×

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Class 4: ×

Class 5: ×

[Add Another Class](#)

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Log In

Hyperion Development
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Your Classes: [\(go back & edit classes\)](#)

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Please enter your school email address
Please enter the hyperiondev.com email address to which you would like to add your classes.

Email:

Confirm Email:

[Submit Email](#)

Unable to sign up? Email us at team@piazza.com or call us at 1-800-618-4124, and we'll help you get started!

4. Proceed to enter your **email address** and confirm to enrol for our programming course.

Welcome to Piazza! You've been enrolled in Hyperion Programming 1 as a student. Inbox · x

Piazza Team no-reply@piazza.com to me 8:26 PM (12 minutes ago)

Welcome to Piazza!
onionfusion@gmail.com was just enrolled as a student in Hyperion Programming 1 on Piazza, the social site for class Q&A!

Get Started.
Follow this link to activate your account and set your password: https://www.piazza.com/first_login?token=2K4AavrxDmb
Or, if prompted, enter this activation code: **2K4AavrxDmb**

Already Have an Account?
If you already have a Piazza account under a different email address, link onionfusion@gmail.com to your account [here](#).

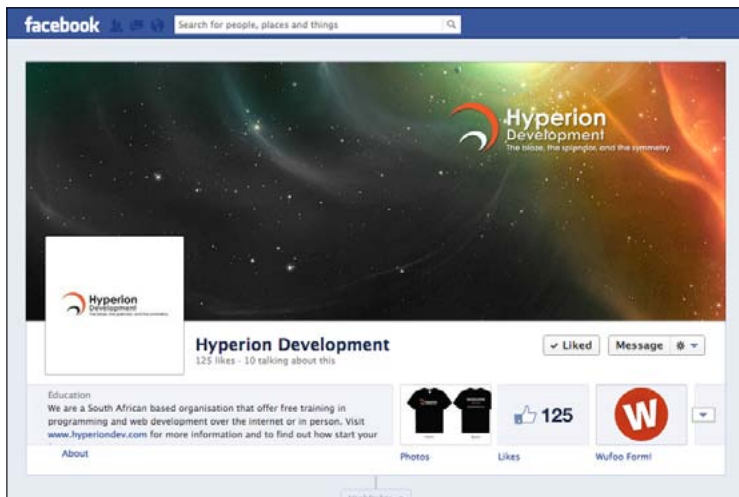
What is Piazza?
Piazza is an online gathering place where students can ask, answer, and explore 24/7 under the guidance of their instructors. Thousands of classes are using Piazza, and the fastest has an average response time of 7 minutes! We notify your class when you're stuck, let you ask and answer questions anonymously, and support LaTeX and code formatting. There are even free iPhone and Android apps.

****Please be sure to add "no-reply@piazza.com" to your contacts list to prevent our emails from getting stuck in your spam folder.**
****You can configure your email preferences by visiting your Account Settings page.**

Thanks,
The Piazza Team
—
Contact us at team@piazza.com

5. You should soon receive an email like above, guiding you on how to **confirm** and begin your learning with Hyperion.

Getting help on Facebook



1. Find us at www.facebook.com/hyperiondev, where you can “like” *Hyperion Development* and (only if you cannot get assistance through Piazza) post any questions or any requests for help on our wall.

If there are any specific areas that are unclear or areas that require additional information:

Please add to 'What do you want to learn.txt' and one of our teachers will assist you once they read your request.

A peek ahead:

Task 3: Learning about data structures in Python and programming.

