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Task 2: Control Structures

Python Beginner Course

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2.1 Introduction

Welcome to Task 2 of the Python Beginner Course!

Please feel free to visit www.hyperiondev.com and log in to your Portal using the login details send to you during registration. Here you will have access to the tools and methods that will help you throughout the course, know your tutor, view your current courses and progress, and also check whether your current task has been marked yet.

For any queries regarding the course, need help understanding the task or general comments, please contact us at students@hyperiondev.com.

Overview

In this task you will learn about a program's flow control. A control structure is a block of programming that analyzes variables and chooses a direction in which to go based on given parameters, in essence, it is a decision making process in computing that determines how a computer responds when given certain conditions and/or parameters.

Along with this, you will also learn about type casting in Python and how to compare variables. See the instructions below.

2.2 Instructions

First read example.py, open it using Notepad++ (Right click the file and select 'Edit with Notepad++').

- 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 Additional Reading.pdf, it is purely for extra reference.

2.3 Compulsory exercise to complete Task 2

Follow these steps:

- Create a Python file called “Control.py” in this folder.

- Inside it, write a comment at the top of the program with your name. Then write code to take in a user’s age using raw_input and store their age in an integer variable called age.

- Then check if the user’s 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 “You’re just too young!” You should use one if - elif - 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 user’s inputted age

You will be awarded 4 Hyperion Stars for correctly completing this task.

Things to look out for

1. Make sure that you have installed and setup all programs correctly. You have setup **Dropbox** correctly if you are reading this, but **Python or Notepad++** may not be installed correctly. Click here if you need to see the setup guide for Python again.
2. If you are not using Windows, please ask your tutor for alternative instructions.

Still need help?

Just write your queries in your comments.txt file and your tutor will respond. Alternatively, visit www.hyperiondev.com and login to the Hyperion portal to view all methods of getting help.

2.4 Task Statistics

Estimated time for completion: 1.5 hours self-study.
Last update to task: 11/12/2014.
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Tasks Feedback link: **https://hyperiondev.orain.org/wiki/Feedback#Python**