Python for Informatics

Assignment 2

"Functions"

Description:

Create a Python .py file that performs the following:

1. Define a function named ***to_number(str)*** that takes a string as a parameter, converts it to an **int** value, and returns that **int** value.
2. Define a function named ***add_two(n1, n2)*** that takes two ***ints*** as parameters, sums them, and then returns that ***int*** sum value.
3. Define a function named ***cube(n)*** that takes numeric value as a parameter, cubes that value, and then returns that resulting numeric value.
4. Use the above functions to compose one (***only*** one) statement to specify two ***string literals***, convert them to ***ints***, add them together, cube the result, and print the cubed value.

Note: Step 4 above is not requiring you to define an additional function, as that would require more than one statement. Moreover, defining an additional function would not ***do*** anything unless you also ***call*** that function, which would then be yet another statement. The idea with this assignment is for you to demonstrate how nested function calls can compress a great deal of functionality into only one statement. For example, given functions named ***foo()*** and ***bar()***, a statement such as ***foo(bar())*** can execute a substantial amount of functionality in only one statement. The foregoing is just an example—please don't name any of your functions ***foo*** or ***bar***. You should use the names that are specified in the assignment description steps above.

Deliverable:

One Python .py file, submitted as an attachment at our course shell assignment page.

Submission Deadline:

Please see the course schedule in our syllabus for all assignment submission deadlines.