# Problem 0. Transcript

|  |  |
| --- | --- |
| Program: | transcript.py |

Write a program named transcript.py that asks the user to enter the ID and the Name of a student a display what looks like a student transcript. Make sure that every thing is positioned exactly as show. Ensure that column headings (Code, Name, and Mark) are indented from the left margin of each column as follows:

* Code is indented by 2 spaces from the left of the first column.
* Name is indented by 11 spaces from the left of the second column.
* Mark is indented by 1 space from the left of the third column.

The output of the program should look like the following:

Enter Student ID ....: **x001**

Enter Student Name ..: **Jane Doe**

Student ID : x001

Student Name: Jane Doe

--------|--------------------------|------|

Code | Name | Mark |

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Figure 1: Sample output for Problem 0 (bold text is user input)

# Problem 1. Command Line Argument

|  |  |
| --- | --- |
| Program: | userargument.py |

Typically, we want to provide input to our programs – that is data they can process to produce a result. One of the simplest ways to provide input is they the command-line argument that you type after the program name at the terminal. Write a program that takes through the command-line a string representing the name of a person. The program should write back the name out to the terminal as part of a message. The output of the program should look like the following:

% **python useargument.py Alice**

Hi, Alice. How are you?

% **python useargument.py Bob**

Hi, Bob. How are you?

% **python useargument.py Carol**

Hi, Carol. How are you?

Figure 2: Sample dialog for the program of Problem 1

# Acknowledgements

Preparation of this problem set would not have been possible without adaptation from (Sedgewick, Wayne, & Dondero, 2015). The author gratefully acknowledges the work of the authors cited while assuming complete responsibility for any mistake introduced in the adaptation.

# References

Sedgewick, R., Wayne, K., & Dondero, R. (2015). *Introduction to Programming in Python* (1st ed.). Addison-Wesley Professional.