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 |
--------|--------------------------|------|
 ITNT101|         Computer Hardware|    78|
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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

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References

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