

- **23.1** Print a multi-line message explaining what the program does and the format of the input.
- Prompt the user to enter two characters, the first one a letter, the second one a digit. Examples of input are given above.
- **1** Ensure the first character is in the range of a-h and the second one is in the range of 1-8. If not print an error message and exit the program.
- **1** 3.4 From the letter and digit combination determine the color of the square and print the result to the user with a message like "Square e4 is white" or "Square d6 is black."
- 3.5 Test your program with invalid squares like j5 or a9.
- 3.6 Exit the program.

Hint: first determine the column, then determine the row.

This problem is from The Python Workbook, by Ben Stephenson, page 20, exercise 45.

What and how to submit

You should have three Python files now:

FirstnameLastname_S_01_01.py FirstnameLastname_S_01_02.py FirstnameLastname S_01_03.py

where S = your section number. Print your programs and staple them together in order. Write this information at the upper right of the first page: name, section and project #.

How your programs are evaluated

- 1. Do they work according to the specifications?
- 2. Are the input prompts correct?
- 3. Are the programs documented?
- 4. Do the programs follow Python and file naming standards?