

Introduction to Python I (Exercises 07)

Exceptions

- 1) Write a program that prompts for an integer. During the input you will convert the entered string into an integer (int function). Trap any exceptions and print a message letting the user know there was an error. Try entering letters instead of an integer, what happens? Are you able to trap the exception?
- 2) Try the same type of code but inside a function (call the function `inputint(prompt)`). The function will receive a string containing the prompt to be displayed. When you call the function the function will return an integer inputted from the console. The function never exits until you enter an integer and it is successfully returned.

Recreate the same function for floats. (Function `inputfloat()`)

Attention these are simple function to be able to explore exception handling. You may do more powerful ones, once you learn about regular expressions later on.

- 3) Write a simple script that divides a number (integer) by zero. Can you trap the exception and print a suitable message?
- 4) Prompt the user for a filename that does not exist. Try opening the file. Catch the exception and give a suitable error. Prompt for the file again or 'q' to exit.