Lab 5: Repetition

Design and implement a program to read from an input file that contains text and numbers then counts the number of integer values in the file.

Produce a table listing the values you identify as integers from the input file.

Your program should work with any text file without generating a run-time error.

Sample output

If the text file contains the following data, your program should print the output below.

Input:

```
hello 4111    2222   33   3.4   412
27     888     432   15
344 66      69    12
299     83    233      80     21       999
58    27


75    490    34    hello 32dsd
145
```

Output:

```
Integers found:
4111      2222      33       412      27
888       432       15       344      66
69        12        299      83       233
80        21        999      58       27
75        490       34       145

24 total integers found.
```

Note:

- In the given sample input file, there are four non-integer words: hello, 3.4, world, and 32dsd. And we can see that the output does not contain any of these words.
- The sample input file is provided with this assignment; however, your code must print the correct output with any text file.
- You can assume that the input file's name is always "input.txt"
- Code with error will receive Zero.
- You should just use the methods and the concepts that we have covered. To reduce plagiarism, using the methods that we have not covered yet will cause a zero for the assignment.