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1  """
2  CS241 Checkpoint 02B
3  Written by Chad Macbeth
4  """
5
6  ### Get file name from the user
7  def get_filename():
8      filename = input("Enter file: ")
9      return filename
10
11  ### Open the file and analyze words and lines
12  ### Returns a tuple (word count, line count)
13  def read_file(filename):
14      line_count = 0
15      word_count = 0
16      with open(filename, "r") as file_in: # Open file for reading
17          for line in file_in:             # Loop through each line of the file
18              line_count += 1
19              words = line.split()         # Create a list of words from the line (default is
                                           spaces)
20              word_count += len(words) # Count the number of words in the list
21      return (word_count, line_count)
22
23  ### Driver to test funtions
24  def main():
25      filename = get_filename()
26      (word_count, line_count) = read_file(filename) # Seperate the two values out of the
                                           tuple
27      print("The file contains {} lines and {} words." .format(line_count, word_count))
28
29  if __name__ == "__main__":
30      main()
31
32
33
34

```