<http://programarcadegames.com/python_examples/show_file.php?file=high_score.py>

|  |
| --- |
| """  Show how to use exceptions to save a high score for a game.  Sample Python/Pygame Programs  Simpson College Computer Science  <http://programarcadegames.com/>  <http://simpson.edu/computer-science/>  """  def get\_high\_score():  # Default high score  high\_score = 0  # Try to read the high score from a file  try:  high\_score\_file = open("high\_score.txt", "r")  high\_score = int(high\_score\_file.read())  high\_score\_file.close()  print("The high score is", high\_score)  except IOError:  # Error reading file, no high score  print("There is no high score yet.")  except ValueError:  # There's a file there, but we don't understand the number.  print("I'm confused. Starting with no high score.")  return high\_score  def save\_high\_score(new\_high\_score):  try:  # Write the file to disk  high\_score\_file = open("high\_score.txt", "w")  high\_score\_file.write(str(new\_high\_score))  high\_score\_file.close()  except IOError:  # Hm, can't write it.  print("Unable to save the high score.")  def main():  """ Main program is here. """  # Get the high score  high\_score = get\_high\_score()  # Get the score from the current game  current\_score = 0  try:  # Ask the user for his/her score  current\_score = int(input("What is your score? "))  except ValueError:  # Error, can't turn what they typed into a number  print("I don't understand what you typed.")  # See if we have a new high score  if current\_score > high\_score:  # We do! Save to disk  print("Yea! New high score!")  save\_high\_score(current\_score)  else:  print("Better luck next time.")  # Call the main function, start up the game  if \_\_name\_\_ == "\_\_main\_\_":  main() |

﻿