

## Writing and Reading Binary Files

Writing output to a binary file (Absolute Java, 6<sup>th</sup> Edition pages 618-623 (simple data), pages 630-636 (objects)):

Remember that to write an object to a binary file the class must implement the Serializable interface. The serialization interface has no methods so you just need to indicate that the class implements this interface. See pages 631-633 of your textbook for details.

1. Open the file for writing

Constructor	Throws Exceptions
ObjectOutputStream(FileOutputStream(filename))	IOException

2. Write to the binary file (see pages 619-620 for a more complete list.)

Methods	Throws Exceptions
writeInt writeDouble writeObject	IOException

3. Close the binary file

Methods	Throws Exceptions
close	IOException

Reading input from a binary file (Absolute Java, 6<sup>th</sup> Edition pages 623 – 630 (simple data), pages 630-636 (objects)):

1. Open the file for reading

Constructor	Throws Exceptions
ObjectInputStream(FileInputStream(filename))	FileNotFoundException IOException

2. Read from the binary file (See pages 625-626 for a more complete list.)

Methods	Throws Exceptions
readInt readDouble	EOFException IOException

Methods	Throws Exceptions
readObject	ClassNotFoundException EOFException IOException

3. Close the binary file

Methods	Throws Exceptions
close()	IOException