

2. Input/Output :: Writing to a Text File with *PrintWriter*

To begin construct a *java.io.File* object and pass the file name as an argument:

```
import java.io.File;
import java.io.PrintWriter;
...
String fname = "output.txt";
...
File file = new File(fname);
```

Then pass the *file* object as an argument to the *java.io.PrintWriter* class:

```
PrintWriter out = new PrintWriter(file);
```

These steps can be combined:

```
PrintWriter out = new PrintWriter(new File(fname));
```

2. Input/Output :: *PrintWriter* *print()* and *println()* Methods

Data are written to the output file by calling *print()* and *println()* on the *PrintWriter*. After all output has been written, the file must be closed by calling *close()* on the *PrintWriter*.

```
int x = 20;
double y = 3.14159265;
char ch1 = '$', ch2 = 'A';
String s1 = "Fred", s2 = "Flintstone";
PrintWriter out = new PrintWriter(new File("output.txt"));
out.print(x + " " + y);
out.println(ch1);
out.println(ch2 + " " + s2 + ", " + s1);
out.close();
```

The contents of *output.txt* will be: