

HW to Chapter 12

1) How to read information from a file?

```
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.List;

public class ReadFromFile {

    public static void main(String[] args) {
        String filePath = "my_test_file.txt";

        try {
            // Read all lines from the file into a List
            List<String> lines = Files.readAllLines(Paths.get(filePath));

            // Print each line
            for (String line : lines) {
                System.out.println(line);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

2) How to write information to a file?

```
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.Arrays;
import java.util.List;

public class WriteToFile {

    public static void main(String[] args) {
        String filePath = "path/to/your/file.txt";

        // Data to be written to the file
        List<String> data = Arrays.asList("Line 1", "Line 2", "Line 3");

        try {
            // Write the data to the file
            Files.write(Paths.get(filePath), data);

            System.out.println("Data has been written to the file.");
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```