

CSE 142, Summer 2010 Final Part B Exam Key

6. File Processing

```
public static boolean playlist(Scanner input) {
    int totalSeconds = 0;

    while(input.hasNextLine()) {
        String line = input.nextLine().toLowerCase();
        Scanner lineScanner = new Scanner(line);
        String song = "";
        String nextWord = lineScanner.next();

        while (lineScanner.hasNext() && !nextWord.equals(";")) {
            song += nextWord.substring(0, 1).toUpperCase()
                + nextWord.substring(1) + " ";
            nextWord = lineScanner.next();
        }

        int minutes = lineScanner.nextInt();
        int seconds = lineScanner.nextInt();
        System.out.println(song + minutes + ":" + seconds);
        totalSeconds += minutes * 60 + seconds;
    }

    return totalSeconds <= 4800;
}
```

7. Array Programming

```
public static void caughtSkipping(String[] line, String skipper, String skipped) {
    int skipperIndex = -1;

    for (int i = 0; i < line.length; i++) {
        if (line[i].equals(skipper)) {
            skipperIndex = i;
        } else if (line[i].equals(skipped) && skipperIndex == -1) {
            return;
        } else if (line[i].equals(skipped) && skipperIndex > -1) {
            for (int j = skipperIndex; j < line.length - 1; j++) {
                line[j] = line[j + 1];
            }
            line[line.length - 1] = skipper;
            return;
        }
    }
}
```

8. Classes and Objects

```
public void toStandardTime() {
    if (label.equals("hours")) {
        if (hour == 24 || hour == 0) {
            hour = 12;
            label = "AM";
        } else if (hour < 12) {
            label = "AM";
        } else if (hour >= 12) {
            label = "PM";
            if (hour > 12) {
                hour = hour - 12;
            }
        }
    }
}
```