```
package p1;

import java.util.Scanner;

public class prj {

public static void main(String[] args) {

   // Get the path to the employee

 String filePath = "/path/to/employee_work_hours.csv";

// Read the employee work hours file.

List<EmployeeWorkHour> employeeWorkHours = readEmployeeWorkHoursFile(filePath);

  // Initialize variables to track the number of consecutive days worked

 int consecutiveDaysWorked = 0;

int timeBetweenShifts = 0;

 int totalHoursWorked = 0;

  // Iterate over the employee work hours and track the above variables.

 for (EmployeeWorkHour employeeWorkHour : employeeWorkHours) {

   // Calculate the time between shifts.

   if (employeeWorkHour.getStartTime() - timeBetweenShifts > 10) {

     // If the time between shifts is greater than 10 hours, reset the consecutive days worked variable.

    consecutiveDaysWorked = 0;

     }

     // Check if the employee has worked for 7 consecutive days.

   if (consecutiveDaysWorked == 7) {

   System.out.println(f"Employee {employeeWorkHour.getName()} has worked for 7 consecutive days.");

                                }

    // Check if the employee has worked for more than 14 hours in a single shift.

                                if (totalHoursWorked > 14) {

                                   System.out.println(f"Employee {employeeWorkHour.getName()} has worked for more than 14 hours in a single shift.");

                                }

       // Update the variables.
```

```
 consecutiveDaysWorked += 1;
                        timeBetweenShifts = employeeWorkHour.getStartTime();
                        totalHoursWorked = employeeWorkHour.getEndTime() -
employeeWorkHour.getStartTime();
                    }
                }

                private static List<EmployeeWorkHour> readEmployeeWorkHoursFile(String
filePath) {
                    List<EmployeeWorkHour> employeeWorkHours = new ArrayList<>();

                    try (Scanner scanner = new Scanner(new File(filePath))) {
                        // Skip the header row.
                        scanner.nextLine();

                        while (scanner.hasNextLine()) {
                            String line = scanner.nextLine();

                            // Split the line into columns.
                            String[] columns = line.split(",");

                            // Create an EmployeeWorkHour object from the columns.
                            EmployeeWorkHour employeeWorkHour = new EmployeeWorkHour(
                                    columns[0],
                                    columns[1],
                                    Long.parseLong(columns[2]),
                                    Long.parseLong(columns[3]));

                            employeeWorkHours.add(employeeWorkHour);
```

```
            }
        } catch (IOException e) {
            e.printStackTrace();
        }

        return employeeWorkHours;
    }
}

class EmployeeWorkHour {
    private String name;
    private String position;
    private long startTime;
    private long endTime;

    public EmployeeWorkHour(String name, String position, long startTime, long
endTime) {
        this.name = name;
        this.position = position;
        this.startTime = startTime;
        this.endTime = endTime;
    }

    public String getName() {
        return name;
    }

    public String getPosition() {
        return position;
```

```
    }

    public long getStartTime() {
        return startTime;
    }

    public long getEndTime() {
        return endTime;
    }
}
```