

# Task: Use Case - 2.1

## Pseudo Code

- Start the approach by using playground or chatGPT for Use Case - 2.1
- Apply Prompts and create the csv files

### 1. Prompt

**System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

**User:**

/// Generate csv file of employee details of 6 employees. Assign names of Marvel Superhero Characters real names. There will be 6 columns with heading Employee Name, Employee ID, Date, Time-In, Time-Out and Total Hours Worked. You need to fill these with your own, giving random in and out time for each day in the month of June 2023 excluding all Sundays and Saturdays. Make sure time should not exceed more than 9 hours for each employee. You need to generate individual csv files for each of these employees. ///

### 2. Prompt

**System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

**User:**

/// Generate csv file of employee details. Give Employee name, Employee ID, Employee Designation, Billing Project, Bill Rate as Column headings. Designations can be Software Engineer, Senior Software Engineer, Developer and IT Consultant. Also mention Billing Project as Billable or Non-Billable at random. Assign bill rate in Indian Currency on the basis of their designation for every 1 hour.///

### 3. Prompt

**System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

**User:**

/// Now you need to generate a csv file for employee holidays in the year 2023 using the following condition It should have 4 columns with Date, Day, Holiday Name and Type as heading. You need to fill the Holiday Name and Type according to Indian Standards. Include National Celebration and Most popular Festive Holidays Mention Type as Public or Optional. ///

### 4. Prompt

**System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

**User:**

/// I forgot to mention about leaves. You need to generate a csv file of leaves taken in the month

of June 2023 in the following format delimited by ###. ### There will be 6 columns Employee Name, Leave Type, Start Date, End Date, Leave Duration, Leave Status as Heading. Leave Type can be of Half Day or Full Day. Leave Duration will be equivalent to Leave Type. Leave Status will be Approved or Unapproved. ### Use these conditions and fill the data randomly excluding all Sundays and Saturdays. Make sure leaves are at least 3 days and not more than that. ///

## 5. Prompt

### **System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

### **User:**

/// Sorry about the previous mistake. Now utilize the Holidays and Leaves data that you have made and make changes. Then finally give resultant csv files for each employee mentioning the Employee ID, Employee Name, Total Working Days and Total Working Hours as headings. ///

## 6. Prompt

### **System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

### **User:**

/// Now calculate percentage of employee productivity for both billable and non-billable project employees. Assign a bonus of Rs.15,000 to the top employee of each billable and non billable

employees. Clue : Billable Productivity = (Total Billable Hours / Total Hours Worked)\*100 and  
Non-Billable Productivity = (Total Non-Billable Hours / Total Hours Worked)\*100 ///

- Now send Attendance results to payroll calculation and generate the final output.

## 7. Prompt

### **System:**

Your task is to help user in providing files in given format and conditions. Understand what the user wants specifically and apply all the requirements. The user prompts will be delimited by ///

### **User:**

/// Now process the payroll for the employees for the month of June 2023. Generate a payroll file of each employee. It should include Employee name, Employee ID, Employee Designation, Billing Project, Total Leaves Taken, Total Effective working Days, Productivity Bonus if given, Total Earnings and Total Deduction because of Leave. Note: Total deduction is the product of leave duration and bill rate of each hour. Total Earnings is the product of Total Working Hours with Bill rate of each hour and minus of Total Deduction. ///

- Store the generated output in the Payroll File.
- End