

(Can be stored using different files and can also be stored using lists, dict)

Step 1:

Initialization of employee info - “database”

Name, empid, gender, age, type of employee(permanent/intern), password, Enter the number of days which are exclusively holidays for government - festivals and common non working days.

Step 2:

Display:

Enter your employee ID and password - Venue code

(if authenticated, then show a menu drive program of the options that are available)

function 3: Time of punch in, time of punch out. Keep total time worked, and arrange them into ascending order.

function 4: Separate variable for venue code - For example, the person can punch in his attendance from PRP and should also Punch out his attendance from the same building. Thus, another variable could be utilised for this case.

Function 5: Menu driven - option for leave

Apply for holidays - no. of days - date start - date end - purpose - type of leave(personal/medical).

Types of leaves can also be updated. For example, medical leaves – 12 days throughout the whole year, personal leaves – 20 days throughout the whole year.

Function 7: Another feature we could take into account is the count of overtime hours worked. So if the employee is punching in before 9AM or punching out after 5PM, then the extra time gets added to his overtime.

These overtime hours can also be sorted in ascending/descending order.

Function 8: We can also create functions which will represent the no. of days present/absent in the form of graphs. A pie chart can be used which shall represent all the days present/absent. A line chart can be used to represent the days he was absent/present.

Function 9: A report can also be generated based on who is the most punctual employee, which employee has worked the most amount of overtime.

Function 10:

Menu driven - view attendance history.

Menu driven - update personal information

Function 12 : logout - login

— **late** register (no deadline for punching in attendance).If employee is late, reflect late attendance.