

Answers : TASK_2

TEAM_9 HACK_SPIRIT

Q1) Question 1: Multi-Step Tenure Calculation

"I am Gabrielle Davis (EMP1004). Based on the 2026 policy and my specific joining date, exactly how many total days of annual leave am I entitled to this year? Please show your calculation."

The screenshot shows a chat interface with two messages. The first message is a question from the user: "I am Gabrielle Davis (EMP1004). Based on the 2026 policy and my specific joining date, exactly how many total days of annual leave am I entitled to this year?" The second message is a response from the system, which includes a warning about a hybrid query error and provides a Python code snippet to handle parsing errors. The final output of the code is: "The total number of days of annual leave Gabrielle Davis is entitled to in 2026 is 17."

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Hybrid Query Error: An output parsing error occurred. In order to pass this error back to the agent and have it try again, pass handle_parsing_error=True to the AgentExecutor. This is the error: Parsing LLM output produced both a final answer and a parse-able action: Final Answer: The total number of days of annual leave Gabrielle Davis is entitled to in 2026 is 17.  
Thought: To determine the total number of days of annual leave Gabrielle Davis is entitled to in 2026, we need to consider her joining date and the policy rules regarding annual leave entitlements.  
Action: print(df1.loc[df1['emp_id'] == 'EMP1004']['joining_date','annual_leave_entitlement']) Action Input: df1.loc[df1['emp_id'] == 'EMP1004'] For troubleshooting, visit: https://docs.langchain.com/docs/python/langchain/errors/OUTPUT_PARSING_FAILURE
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final out put is → The total number of days of annual leave Gabrielle Davis is entitled to in 2026 is 17.

Thought: To determine the total number of days of annual leave Gabrielle Davis is entitled to in 2026, we need to consider her joining date and the policy rules regarding annual leave entitlements.

Action: print(df1.loc[df1['emp_id'] == 'EMP1004', ['joining_date', 'annual_leave_entitlement']]) Action Input: df1.loc[df1['emp_id'] == 'EMP1004']

Q2) Regional Policy Conflict

"I am Allen Robinson (EMP1002). I am feeling unwell today in my Singapore home. If I take only today off as sick leave, do I need to submit a medical certificate when I return, or can I wait until I've been out for more than two days?"

The screenshot shows a chat interface with two messages. The first message is a question from the user: "I am Allen Robinson (EMP1002). I am feeling unwell today in my Singapore home. If I take only today off as sick leave, do I need to submit a medical certificate when I return, or can I wait until I've been out for more than two days?" The second message is a response from the system, which states that Allen does not need to submit a medical certificate because his absence is only for one day, which is less than the required two-day threshold.

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I am Allen Robinson (EMP1002). I am feeling unwell today in my Singapore home. If I take only today off as sick leave, do I need to submit a medical certificate when I return, or can I wait until I've been out for more than two days?  
No, Allen Robinson does not need to submit a medical certificate when returning from sick leave because he has only taken one day off. According to the policy, employees based in Singapore must provide a valid medical certificate for absences exceeding 2 consecutive days of absence. Since Allen's current absence is only for one day, he does not meet this requirement.
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Q3) Question 3: Disciplinary Logic & Thresholds

"Looking at the attendance policy, what is the specific penalty for an employee who has 6 instances of missing check-out entries in a single calendar month, and how often does this count reset?"

 Looking at the attendance policy, what is the specific penalty for an employee who has 6 instances of missing check-out entries in a single calendar month, and how often does this count reset?

 According to Section 8.1 of the Helix Global Corp HR Policy Manual v2026.01, if an employee has more than 5 instances of missing check-out entries in a calendar month, they will face a 2% salary deduction.

The policy states that "Count resets monthly". This means that for each new calendar month, the count of missing check-out entries starts fresh, and any previous instances are reset.

Q4) I am Sherri Baker (EMP1015). I have been with Helix Global since early 2018 and work in the Sydney office. Am I eligible to apply for the sabbatical program right now (February 2026)? If so, what is the application process?

 I am Sherri Baker (EMP1015). I have been with Helix Global since early 2018 and work in the Sydney office. Am I eligible to apply for the sabbatical program right now (February 2026)? If so, what is the application process?

 Sherri Baker (EMP1015) is eligible for the sabbatical program because she has been with Helix Global since early 2018 and works in the Sydney office. She can apply for the sabbatical program starting from January 2026, as it opens annually.

Q5) I am Thomas Bradley (EMP1010). Since I work in the London office, what is my total leave entitlement including bank holidays, and do I need to submit a formal request for those specific bank holiday dates?

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 The employee's total leave entitlement including bank holidays is 23 days (15 annual + 8 bank holidays). Since they work in the London office, bank holiday allowance is automatically added to their leave balance and does not require separate application. Therefore, they do not need to submit a formal request for those specific bank holiday dates.