

## Calculate salary amount:-

- I. You need to calculate the total amount of salary company XYZ Corporation needs to pay for the month Feb 2022 to their employees.
- II. You need to calculate the total amount of salary company XYZ Corporation needs to pay for the month Feb 2022 to the specific employee by their "**emp\_id**".

Attendance data of all employees are available inside the file(**attendance-data.json**) shared with you.

You need to consider the following company policies to calculate the salary:

- All employees need to work a minimum of 8 hours per day to be considered as one full day presence.
- If presence is less than 8 hours it is calculated as half day presence and if presence is less than 4 hours it is calculated as absent.
- All Employees are paid for **only 5 days** in a week (From Monday till Friday) except employees whose designation is "**Worker**".
- "**Worker**" is paid for basic salary upto 8 hours during weekdays (Monday till Friday).
- If a "**Worker**" works more than 8 hours during weekdays (Monday till Friday), their extra hours above minimum 8 hours per day is considered as "Overtime".
- "**Worker**" is paid for work on weekends (Saturday and Sunday) also for any amount of hours which is considered as "**Overtime**".
- "**Worker**" is paid double salary for all "**Overtime**" hours.
- If the total salary of all Female employees is less than the total salary of all Male employees then all **Female** employees will receive a **1% bonus** on top of their total salary.
- If the total salary of all Male employees is less than the total salary of all Female employees then all **Male** employees will receive a **1% bonus** on top of their total salary.

Additional Details:

- "**weekday**" field is for convenience, starting with 1 = Sunday and 7 = Saturday.
- You can also copy the json data in your code or project folder for ease of access.
- It is expected that you write a program to calculate the desired result and do not use SQL queries to calculate the result.
- Please create an API endpoint which will accept optional parameter "**emp\_id**" to return a specific employee record; If it does not pass this parameter ,will return the total salary amount of all employees.
- Please use **Postman** to call the API endpoint; at the end you need to share it as a collection.

- You need to return data as an API response which hold following values - sample response:

<b>Basic Salary</b>	1,952,102.00
<b>Overtime</b>	124,586.95
<b>Bonus</b>	25,748.42
<b>Total Salary</b>	2,102,437.37

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