

Machine Test - Google Docs

 docs.google.com/document/d/1WdDTNvscz1QFTqJrFemOn2W5RVRq86NiAnO1-9gKyz8/edit

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

- All employees need to work minimum 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 **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 **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
- You can validate if your program logic for all calculations is correct from following correct values

Programming Test

You need to calculate the total amount of salary company ABC Corporation needs to pay for the month Feb 2020

to their employees.

Attendance data of all employees is available at following URL

<http://34.198.81.140/attendance.json>

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- 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 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 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

- You can validate if your program logic for all calculations is correct from following correct values

Basic Salary	1,938,125.00
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Overtime	275,461.88
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Bonus	10,483.55
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Total Salary	2,224,070.43
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Consider Following Instructions and Guidelines

- You can ask as many questions for any clarification required during the first half hour when you start.
- No User Interface or data input is required for this test.
- No Display of any data is required, for your convenience if you want to show that is optional.
- You just need to calculate the total amount for the month of Feb 2020 the company needs to pay for all.
- You can store the final amount in a variable or display on console log. You should note down the final amount and write it as a comment in your code before final submission of code files.
- You should also write your name as comment in your main code file
- It is important you follow good programming practices, clean code, good logic with proper comments, naming conventions.