**Problem statement:**

You have been given employee performance score for each of the 12 months for the 2019 financial year. Based on the relative performance in a month, an employee is eligible to get performance bonus as per following matrix:

Top 10%ile – Rs1000

10%ile – 25%ile – Rs500

Additionally, those who are performing consistently well, a special bonus has been planned for them as per following.

Top 10%ile for consecutive 3 months – additional Rs.2000 in the fourth month

Also, a surprise bonus of Rs. 2500 will be given to those employees in month 10 who have received additional bonus Rs. 2000 at least twice in first three quarters of the financial year.

**Q1. Prepare an excel outcome of following table structure:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Emp\_ID | Department | Month | Relative\_Performance\_in\_this\_month | Performance\_Bonus | Additional\_Performance\_Bonus | Surprise\_Bonus |
|  |  |  |  |  |  |  |

**Q2. Calculate net out go of money as Bonus for the company.**

**Q3. Calculate the amount for Performance Bonus that the company will have to provide on monthly basis on the above given matrix.**

**Q4. Find out the department whose employees received the highest Bonus amount for the financial year.**

**Q5. Find out which are the Top 10 employees based on the Bonus they have received.**

**Please Note:**

1. Make use of **Jupyter notebook** only for solving this problem.
2. Kindly submit your solution within **next three hours**.
3. Kindly submit your **Jupyter notebook** for evaluation
4. Please mail your solution & Jupyter notebook to **mahesha.sahoo@mnmck.com**