Name:

Section Year:

Test A: 35 points

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Staff Timesheet | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Employee | Department | Date | Schedule | Time In | Time Out | Worked Hours | Late |
|  |  |  |  |  |  |  |  |
| John Doe | QA | 11/26/2022 | 9:00 - 18:00 | 9:01 | 18:00 | 8:59 | 0:01 |
| John Doe | QA | 11/28/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 11/29/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 11/30/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/1/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/2/2022 | 9:00 - 18:00 | 10:00 | 18:00 | 8:00 | 1:00 |
| John Doe | QA | 12/3/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/5/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/6/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/7/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/8/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/9/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |
| John Doe | QA | 12/10/2022 | 9:00 - 18:00 | 9:00 | 18:00 | 9:00 | 0:00 |

1. (15 points) Create ERD: (Minimum of 2 tables) – columns highlighted in yellow are not included.
2. (10 points) Write SQL command so that John Doe will not have any lates (UPDATE)
3. (10 points) Write SQL command to show the report above only the (SELECT JOIN) – should show the highlighted columns and should be generated programmatically.

Test B: 30 points

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Staff Leave Report 2022 | |  |  |  |
|  |  |  |  |  |
| Employee | Department | Date | Type | Hours |
| John Doe | QA | 12/22/2022 | SL | 9 |
| John Doe | QA | 12/23/2022 | VL | 9 |
| John Doe | QA | 12/26/2022 | VL | 9 |
| John Doe | QA | 12/27/2022 | VL | 9 |
| John Doe | QA | 12/28/2022 | VL | 9 |
| John Doe | QA | 12/29/2022 | VL | 9 |
| John Doe | QA | 12/30/2022 | VL | 9 |

1. (10 points) Create ERD: (Minimum of 2 tables)
2. (10) Write SQL command to remove the highlighted leaves as it was not approved by his Manager (DELETE)
3. (10 points) Write SQL command to show the report above only the (SELECT JOIN)