**NATIONAL PUBLIC SCHOOL, HSR, BENGALURU**

**Grade 12-SQL-ASSIGNMENT 2022 - 2023**

**COMPUTER SCIENCE**

**Instructions:-**

***Create the given database and tables in MySQL and copy the commands in a word document.***

***Execute the queries. Write the query and its output in the document.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Create a database Company and the Table Worker** | | | | | | |
| **WORK\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **Gender** | **SALARY** | **JOINING\_DATE** | **DEPARTMENT** |
| 1 | Monika | Arora | F | 100000 | 2/20/2015 | HR |
| 2 | Niharika | Verma | F | 80000 | 6/11/2015 | Admin |
| 3 | Vishal | Singhal | M | 300000 | 2/20/2014 | HR |
| 4 | Amitabh | Singh | M | 500000 | 2/20/2015 | Admin |
| 5 | Vivek | Bhati | M | 500000 | 6/11/2014 | Admin |
| 6 | Vipul | Diwan | M | 200000 | 6/11/2016 | Account |
| 7 | Satish | Kumar | M | 75000 | 1/20/2014 | Account |
| 8 | Geetika | Chauhan | F | 90000 | 4/11/2014 | Admin |

|  |  |  |
| --- | --- | --- |
| Table-Job | | |
| **W\_REF\_ID** | **WORKER\_TITLE** | **PROMOTION\_DATE** |
| 1 | Manager | 2/20/2016 |
| 2 | Executive | 6/11/2016 |
| 8 | Executive | 6/11/2017 |
| 5 | Manager | 10/12/2016 |
| 4 | Asst. Manager | 6/11/2018 |
| 7 | Executive | 6/11/2015 |
| 6 | Lead | 6/11/2019 |
| 3 | Lead | 01/01/2016 |

1. Write an SQL query to fetch “FIRST\_NAME” from Worker table using the alias name as <WORKER\_NAME>
2. Write an SQL query to fetch “FIRST\_NAME” from Worker table in upper case.
3. Write an SQL query to fetch unique values of DEPARTMENT from Worker table.
4. Write an SQL query to print the first three characters of FIRST\_NAME from Worker table.
5. Write an SQL query to find the position of the alphabet (‘a’) in the first name column ‘Amitabh’ from Worker table.
6. Write an SQL query to print the FIRST\_NAME and LAST\_NAME from Worker table into a single column COMPLETE\_NAME. A space char should separate them.
7. Display the First Name and Salary of all Female Managers.
8. Write an SQL query to print all Worker details from the Worker table order by DEPARTMENT Descending and FIRST\_NAME Ascending.
9. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.
10. Write an SQL query to print details of the Workers who have joined in Feb’2014.
11. Write an SQL query to fetch the count of employees working in the department ‘Admin’.
12. Write an SQL query to fetch the no. of workers for each department in the descending order.
13. Write an SQL query to show the second highest salary from a table.
14. Write an SQL query to fetch the list of employees with the same salary.
15. Write an SQL query to fetch the departments that have less than 2 people in it.
16. Write an SQL query to print the name of employees having the highest salary in each department.
17. Write an SQL query to fetch departments along with the total salaries paid for each of them.
18. Display the details of the workers who got promotion only after two years of joining.
19. Add a column called bonus\_per(Percentage bonus) in the table job and set its default value to 15.5 %
20. Display the First name, salary and the bonus amount for all the workers.