

## DBMS LAB ASSIGNMENT 4: Built-in-Functions

1. WAQ to display the current date.
2. Assume that employees serve a six month provisional period starting from their DOJ. After 6 months they get permanent status. Display all the employees' names, doj and the date on which they received their permanent status as permanent\_date.
3. WAQ to display the last date of this current month.
4. For all the employees display their emp\_id, f\_name and their total experience in months.
5. WAQ to display the date of next TUESDAY.
6. WAQ to extract the current month.
7. WAQ to extract the current year.
8. WAQ to display the absolute value of -505.
9. WAQ to display the ceiling of 10.44 and 10.50 and 10.65.
10. WAQ to display the floor value of 10.44 and 10.50 and 10.65.
11. Find the logarithmic value of 10 base 2.
12. Display the remainder in 594/7.
13. WAQ to display the value of 8 to the power 3.
14. WAQ to display the square root of 3481.
15. Display the following rounding operations- round(45.923,2), round(45.923,0), round(45.923,-1), round(45.923,2), round(45.923,0), round(45.923,-2).
16. Display the following rounding operations- trunc(45.888,2), trunc(56.758,0), trunc(49.245,-2), trunc(45.888,2), round(45.888,2).
17. WAQ to return the sign of 20 and -67.60 and 0.
18. Display the value of cos(45), sin(45), and tan(45).
19. Display the ASCII character corresponding to the integer 79.
20. Display the f\_name and l\_name together using the concat() function.

21. Display all the f\_names in capital letters.

22. Find the length of the first name and last name of all the employees who work in sales department.

23. . Determine the tax-rate for each employee based on their monthly salary. The tax-rates are as per the following table.

Monthly Salary Range	Rate (%)
>20000	0
<=20000 and >40000	9
<=40000 and >60000	20
<=60000 and >80000	30
<=80000	45

24. Find the average salary, maximum salary, minimum salary and the sum of salaries from the employee table.

25. Find the average salary, maximum salary, minimum salary and the sum of salaries of the employees who work for the sales department.

26. Find the newest and oldest employee.

27. Find those two employees whose l\_name comes first and last in alphabetical order.

28. Find the number of engineers.

29. Find the number of departments from the employee table.

30. Find the average commission from the employee table.

