**DBMS LAB**

**LAB 4**

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**01-134192-030**

**BSCS-4B**

1. Write a query that displays enames in lower case, length of enames and duration of employment (calculated using system date n hiredate) for all employees WHOSE salary is more than 500.

**Query:**

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| --- |
| SELECT  LOWER(ENAME) AS NAME,  LENGTH(ENAME) AS LENGTH,  MONTHS\_BETWEEN (sysdate, hiredate) as Employeement\_Duration  FROM EMP  WHERE SAL>500; |

**Output:**

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1. For each employee, display the enames, hiredate, salary and calculate the number of months between today and hiredate. Round the number of months up to the closest whole number.

**Query:**

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| --- |
| SELECT  ENAME,  HIREDATE,  SAL,  ROUND(MONTHS\_BETWEEN(SYSDATE, HIREDATE))  AS  EMPLOYEEMENT\_DURATION  FROM EMP; |

**Output:**

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1. **Display the empno, ename and hiredate of all employees. The hiredate should be displayed in the given format. (i.e. 12 DEC 2014).**

**Query:**

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| --- |
| SELECT  EMPNO,  ENAME,  TO\_CHAR (HIREDATE,'DD MON YYYY' ) AS HIRING\_DATE  FROM  EMP; |

**Output:**

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1. **Extend the previous question to display the hiredate as 12\*Dec%2014.**

**Query:**

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| --- |
| SELECT  EMPNO,  ENAME,  TO\_CHAR(HIREDATE,'DD\*MON%YYYY') AS HIRING\_DATE  FROM  EMP; |

**Output:**

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1. Now display the employee’s first three characters of name and hiredate as **12 December 2014**.

**Query:**

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| --- |
| SELECT  SUBSTR (ENAME , '1' , '3' )  AS  NAME\_OF\_EMPLOYEE,  TO\_CHAR(HIREDATE,'`DDMONTH","YYYY')  AS  HIRING\_DATE  FROM EMP; |

**Output:**

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1. Show all fields in EMP table of those employees whose length of ename is less than 5. The hiredate should be displayed as **12th December 2014**.

**Query:**

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| --- |
| SELECT  EMPNO,  DEPTNO,  ENAME,  JOB,  SAL,  MGR,  TO\_CHAR(HIREDATE,'DD"th" MONTH YYYY') AS HIRING\_DATE  FROM  EMP  WHERE  LENGTH(ENAME)<5; |

**Output:**

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1. Display the empno, ename of all employees along with the hiredate but hiredate should be displayed in three different columns i.e. day, month and year in three different columns.

**Query:**

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| --- |
| SELECT  EMPNO,  ENAME,  TO\_CHAR(HIREDATE,'DD') AS DAY,  TO\_CHAR(HIREDATE,'MONTH') AS MONTH,  TO\_CHAR(HIREDATE,'YYYY') AS YEAR  FROM  EMP; |

**Output:**

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1. List the records of those employees whose hiring month has 31 days.

**Query:**

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| --- |
| SELECT  ENAME,  JOB,  SAL,  HIREDATE  FROM EMP  WHERE TO\_CHAR(LAST\_DAY(HIREDATE),'DD')=31; |

**Output:**

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1. Display the ename, salary, hiredate and the date when “Friday” comes after the hiredate for all employees.

**Query:**

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| --- |
| SELECT  ENAME,  SAL,  HIREDATE,  NEXT\_DAY(HIREDATE,'FRIDAY')  FROM EMP; |

**Output:**

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1. Display the week difference in first column and hours difference in second column between any two dates.

**Query:**

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| --- |
| SELECT  MONTHS\_BETWEEN(SYSDATE,HIREDATE)\*4  AS WEEKS,  ((MONTHS\_BETWEEN(SYSDATE,HIREDATE)\*4 )\*7)\*24 AS HOURS  FROM EMP; |

**Output:**

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