

### Academic Lesson Plan of Summer 2024

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| Department :<br>Information Technology                | Semester :<br>4th                             | Name of the teaching faculty: Manalisa Giri  |
| Subject: DATABASE<br>MANAGEMENT<br>SYSTEM( PRACTICAL) | No.of<br>days/per<br>week class<br>allotted . | Semester from : 16th Jan 2024 to 26 April 2024   |
|   |   | No. of weeks:15 weeks  |
|   |   | Topics to be covered:  |
| 1 <sup>st</sup> week                                  | 1st   | Show the Structure of DEPT. Select all data from DEPT table.<br>Create a query to display unique jobs from the EMP table.  |
|   | 2nd   | Practice for all Syntax used for Query Processing<br>Write a query to Name the column headings EMP#, Employee,<br>Job and Hire date, respectively. Run the query.  |
| 2 <sup>nd</sup> week                                  | 1st   | Practice for all Syntax used for Query Processing  |
|   | 2nd   | Create a query to display the Name and salary of employees<br>earning more than Rs.2850.Save the query and run it.<br>Practice for all Syntax used for Query Processing  |
| 3 <sup>rd</sup> week                                  | 1st   | Practice for all Syntax used for Query Processing<br>Create a query to display the employee name and department<br>no. for employee no. 7566.  |
|   | 2nd   | Practice for all Syntax used for Query Processing  |
| 4 <sup>th</sup> week                                  | 1st   | Display the employee name, job and start date of employees<br>hire date between Feb.20.1981 and May 1, 1981. Order the<br>query in ascending order of start date.<br>Practice for all Syntax used for Query Processing |
|   | 2nd   | Display the name and title of all employees who don't have a<br>Manager.   |
| 5 <sup>th</sup> week                                  | 1st   | Practice for all Syntax used for Query Processing  |
|   | 2nd   | Display the name, salary and comm. For all employee who earn<br>comm. Sort data in descending order of salary and comm.<br>Practice for all Syntax used for Query Processing   |
| 6 <sup>th</sup> week                                  | 1st   | Display the name job, salary for all employees whose job is Clerk<br>or Analyst their salary is not equal to Rs.1000, Rs.3000, Rs.5000   |
|   | 2nd   | Practice for all Syntax used for Query Processing  |
| 7th week  | 1st   | Write a query to display the date. Label the column DATE<br>Practice for all Syntax used for Query Processing  |
|   | 2nd   | Create a unique listing of all jobs that are in department 30.   |
| 8 <sup>th</sup> week                                  | 1st   | Practice for all Syntax used for Query Processing  |

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|                       | 2nd | Write a query to display the name, department number and department name for all employees.<br>Practice for all Syntax used for Query Processing  |
| 9 <sup>th</sup> week  | 1st | Practice for all Syntax used for Query Processing<br>Write a query to display the employee name, department name, and location of all employee who earn a commission                      |
|                       | 2nd | Practice for all Syntax used for Query Processing<br>Write a query to display the name, job, department number and department name for all employees who works in DALLAS.                 |
| 10 <sup>th</sup> week | 1st | Practice for all Syntax used for Query Processing   |
|                       | 2nd | Write a query to display the number of people with the same job. Save the query @ run it.   |
| 11 <sup>th</sup> week | 1st | Practice for all Syntax used for Query Processing<br>Create a query to display the employee name and hire date for all employees in same department.                                      |
|                       | 2nd | Practice for all Syntax used for Query Processing   |
| 12 <sup>th</sup> week | 1st | Display the employee name and salary of all employees who report to KING.<br>Practice for all Syntax used for Query Processing  |
|                       | 2nd | Display the mane, department name and salary of any employee whose salary and commission matches both the salary and commission of any employee located in DALLAS                         |
| 13 <sup>th</sup> week | 1st | Practice for all Syntax used for Query Processing   |
|                       | 2nd | Create a student database table using create command using  |
| 14 <sup>th</sup> week | 1st | Practice for all Syntax used for Query Processing<br>Delete the information of student having roll No -15 and City-Bhubaneswar. Rename the Student database table to STUDENT INFORMATION. |
|                       | 2nd | Practice for all Syntax used for Query Processing   |
| 15 <sup>th</sup> week | 1st | Practice of all Data Retrieval, DML, DDL, TCL and DCL commands used in Oracle by writing queries.   |
|                       | 2nd | Practice for all Syntax used for Query Processing   |

*Manalika Singh*  
Signature of the faculty