 *DEPARTMENT OF COMPUTER ENGINEERING* Experiment No: 8

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| Semester | S.E. Semester IV – Computer Engineering |
| Subject | Database Management Systems Laboratory. |
| Lectures Professor In-charge | Prof. Suja Jayachandran |
| Practicals Professor In-Charge | Prof. Suja Jayachandran |
| Laboratory number | M312 |

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| Roll Number | 21102A0014 | | |
| Grade |  | Teacher’s Signature |  |

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| Experiment No: | 2 | |
| Experiment Title | **Group By, Having and Order By clause** | |
| Resources / Apparatus Required | Hardware:  PC | Software:  Postgre SQL |
| Objectives  (Skill Set / Knowledge Tested / Imparted) | To Understand Group By, Having and Order By clause | |
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| Theory | In PostgreSQL, the GROUP BY clause is used to group the rows of a table based on one or more columns. This grouping can be performed with the help of an aggregate function that provides a summarized view of the data in the table.  The HAVING clause is used in conjunction with the GROUP BY clause to filter the results of the aggregate function based on a certain condition. The HAVING clause allows us to filter the groups based on the conditions that are not allowed in the WHERE clause.  The ORDER BY clause is used to sort the result set in ascending or descending order based on one or more columns. This is useful when we want to view the data in a particular order, for example, alphabetically, numerically, or by date.  Together, these three clauses can be used to create complex queries that can provide useful insights into large data sets. By grouping, filtering, and sorting data, we can gain a better understanding of the patterns and trends present in the data, allowing us to make more informed decisions based on the data. | |
| Implementation |  | |
| Conclusion | These three clauses can be used to create complex queries that can provide useful insights into large data sets. By grouping, filtering, and sorting | |
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