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| PICTLOGO | PUNE INSTITUTE OF COMPUTER TECHNOLOGY  PUNE - 411043 | | |
| Department of Electronics & Telecommunication | | |
| ASSESMENT YEAR: 2024-2025 | CLASS: SE | |
| SUBJECT: DATA STRUCTURES | | |
| **EXPT No:** | LAB Ref: SE/2024-25/ | | Starting date: |
|  | Roll No: 22168 | | Submission date: |
| **Title:** | **Expt.-11: File handling** | | |
| **Problem Statement** | **Write a C program and describe, summarize the implementation of file handling. Test code for .text file format.** | | |
| Refer lab manual for below | | | |
| **Prerequisites:** | Software - PyCharm Community Edition | | |
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| **Objectives:** | 1. Use pointer to handle file. | | |
| 2. Manipulate file content by performing read and write operations. | | |
| **Theory:** | | | |
|  | Write algorithm and besides it example for each, attach both side ruled pages in case required  On Ruled Pages | | |
| **Flow-chart**  **ERRORS** | **(Extra sheet may be attached)**  **File is not opening: This occur if the file path is incorrect, the file does not exist or the program lacks necessary permission.** | | |
| **REMEDY** | **Always check the return value of fopen(). If it returns NULL, print an error message and terminate or handle the error accordingly. Verify the file path and ensure the file has appropriate read/write permissions.** | | |
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| **CONCLUSION:** | | | |
|  | **We implemented file handling using pointers in C. By leveraging pointers, the** | | |
| **program can directly access and manipulate the file contents, allowing for dynamic** | | |
| **interaction with files. This approach is crucial for handling large data, sets, ensuring** | | |
| **properly memory management** | | |
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| **REFERENCES: refer lab manual for the same** | | | |
|  | **1. Seymour Lipschutz, Data Structure with C, Schaum’s Outlines,** | | |
| **Tata McGrawHill.** | | |
| **2. Yedidyah Langsam – Data structures using C and C++ - PHI** | | |
| **Publications (2nd Edition).** | | |
| **3. Yashavant Kanetkar, Data Structures Through C, BPB Publication, 2nd** | | |
| **Edition** | | |

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| **Continuous Assessment for DS AY: 2024-25** | | | |
| **RPP (5)** | **SPO (5)** | **Total (10)** | **Signature:** |
|  |  |  | **Assessed By: Dr. V. B. Vaijapurkar** |
| **Start date** | **Submission date** | | **Date:** |
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| **\*Regularity, Punctuality, performance**  **\*Submission, Presentation, orals** | | | |