

DATA STRUCTURE AND PROGRAM DESIGN LAB – 10

Write a C program (name it "filecopy.c") that copies the contents of one file to a destination file. This program will read data from one file and copy them to another. The first input that the program will need is the names of the two files: input file ("input.txt") and output file ("output.txt"). Once the two file names have been obtained, the program must open the input file and create and open the output file.

SAMPLE OUTPUT:

The screenshot shows a code editor interface with the following details:

- File Explorer:** Shows files in the current workspace:
 - OPEN EDITORS: Untitled-1, Practical-1B.c, input.txt, output.txt, practical-10.c
 - DSPD-LAB: Practical_10.c, input.txt, output.txt
 - practical-10.c (selected)
 - OTHERS: a.exe, desktop.ini, Lab_01A_output.docx, Lab_01B_output.docx, Lab_01C_output.docx, Lab_02_output.docx, Lab_03_output.docx, Lab_04_output.docx, Lab_06_output.docx
- Code Editor:** The file practical-10.c contains the following code:

```
4 {
39
40     return 0;
41 }
```
- Terminal:** The terminal window shows the following session:

```
PS C:\Users\Ankush\OneDrive\Desktop\DSPO-LAB> gcc practical-10.c
PS C:\Users\Ankush\OneDrive\Desktop\DSPO-LAB> ./a.exe
Enter source file name: input.txt
Enter destination file name: output.txt
Cannot open source file.
PS C:\Users\Ankush\OneDrive\Desktop\DSPO-LAB>
```
- Status Bar:** Shows the current line (Ln 41, Col 2), spaces (Spaces: 4), encoding (UTF-8), and line endings (CRLF).