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# File Handling Exercises (10)

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## Exercise 1

Write a Python program to create a file named `notes.txt` and write 5 lines of text into it.

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## Exercise 2

Write a program to read and print the contents of `notes.txt` line by line.

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## Exercise 3

Write a program that appends a new line to an existing file `notes.txt` that says:

```
"This is an appended line."
```

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## Exercise 4

Write a program that counts the number of lines in a given file.

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## Exercise 5

Write a program that reads a file and counts the number of words in it.

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## Exercise 6

Write a program to copy the contents of one file ( `source.txt` ) to another file ( `backup.txt` ).

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## Exercise 7

Write a program that reads a text file and prints only those lines that contain the word `"Python"`.

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## Exercise 8

Write a program to read a CSV file named `students.csv` and print name and marks of each student.

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## Exercise 9

Write a program that writes the squares of numbers from 1 to 10 into a file ( `numbers.txt` ), one per line.

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## Exercise 10

Write a log writer program using append mode that adds entries like:

```
"2025-01-01 10:30:45 - Application started"
```

Use the `datetime` module.

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