**Implementing the Factory Method Pattern**

Explaination🡺

In this program, different types of documents (Word, PDF, Excel) are created using the factory method pattern. Instead of directly creating document objects in the main method, separate factory classes are used, each responsible for creating a specific type of document. This makes the code more flexible because if new document types are added later, they can be handled by simply adding new factory classes without changing the main logic. The interface Document defines a common behavior (open()), which is implemented differently by each document type. The main method just relies on the factories to produce the correct document, and then calls open() on it.

**Output🡺**

