1. DOCUMENT SUMMARIZATION

EX.N0 : 1	**DEVELOP A SYSTEM TO DO DOCUMENT SUMMARIZATION**
DATE : /0 /2025	

AIM:

To write a program to develop a system to do document summarization

ALGORITHM:

Step 1: Start

Step 2: Import necessary NLP libraries.

Step 3: Read and preprocess the document.

Step 4: Tokenize the text into sentences.

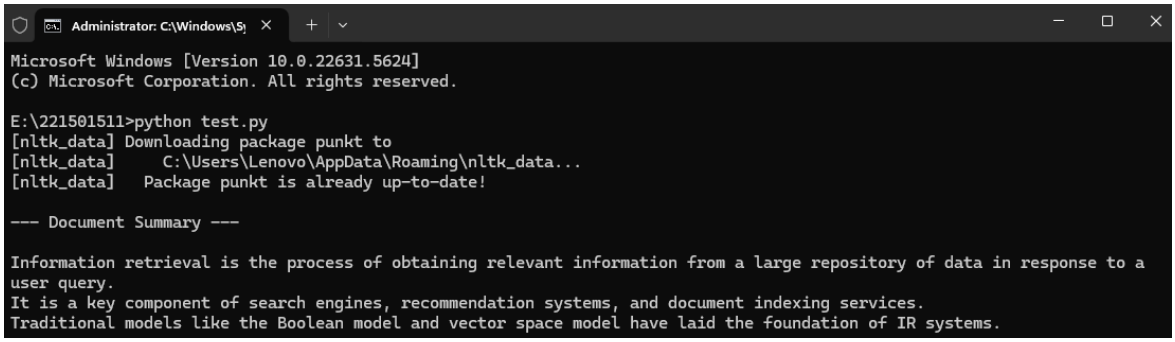
Step 5: Score sentences based on frequency or statistical features.

Step 6: Select top-ranked sentences as the summary.

PROGRAM:

```
from sumy.parsers.plaintext import PlaintextParser
from sumy.nlp.tokenizers import Tokenizer
from sumy.summarizers.lex_rank import LexRankSummarizer
text = """
Your input text goes here. You can paste an article or paragraph that you want to summarize.
It should be at least a few sentences long for best results... """
parser = PlaintextParser.from_string(text, Tokenizer("english"))
summarizer = LexRankSummarizer()
summary = summarizer(parser.document, 3)
print("Summary:\n")
for sentence in summary:
print(sentence)
```

OUTPUT:



RESULT:

Thus a program to develop a system to do document summarization has been executed successfully.