**Assignment: Auto-Blog Generator using a Free Online AI Model**

**Objective:**

You are tasked with building a Python-based script that:

Accepts a 1000-character text as input.

Uses a freely accessible AI model (text generation API) to generate a well-written blog article based on the input text.

Outputs the blog with proper formatting into a Microsoft Word .docx file.

This assignment will help you demonstrate your ability to:

* Work with APIs and AI models.
* Explore online free models available. Give reason for your choice.
* Handle prompt engineering for coherent blog writing.
* Use document creation libraries to format output professionally.

**Requirements:**

**1. Input Handling**

Accept a input text file containing a single paragraph of approximately 1000 characters.

**2. AI Text Generation**

Use any free online AI text generation API.

Input the paragraph as context and request a blog-style article in response.

**3. Output Document**

The output doc blog should:

* Have a title.
* Be coherent, properly formatted, logically structured, and somewhat engaging.

**Sample Input (≈1000 characters):**

Artificial Intelligence (AI) is no longer a futuristic concept; it has become an integral part of our daily lives. From personalized recommendations on streaming platforms to intelligent assistants in our smartphones, AI has transformed how we interact with technology. The adoption of AI across sectors such as healthcare, finance, agriculture, and manufacturing has accelerated innovation and improved efficiency. AI-powered diagnostic tools assist doctors in early disease detection, while algorithms help financial institutions detect fraud in real time. In agriculture, AI optimizes crop yields by analyzing soil data and weather patterns. Despite these advancements, there are growing concerns about data privacy, algorithmic bias, and the displacement of jobs due to automation. As AI continues to evolve, it raises important questions about ethical implementation, transparency, and human oversight. Balancing innovation with responsibility will be critical as we shape the future of AI-driven society.