

AI\_p8.ipynb

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AI Practical 8

AIM - Create a Chatbot that can answer all the questions on a particular topic, once its knowledge is provided.

[5] !pip install bs4  
!pip install transformers

[4] import requests  
from bs4 import BeautifulSoup  
from transformers import pipeline  
  
def scrape\_bhagavad\_gita\_verses():  
 translations = []  
 for chapter in range(1, 19):  
 url = f"https://vedabase.io/en/library/bg/{chapter}/"  
 response = requests.get(url)  
 soup = BeautifulSoup(response.content, "html.parser")  
 verses = soup.find\_all('dd')  
 for verse in verses:  
 translations.append(verse.get\_text().strip())  
 return "\n".join(translations)  
  
qa\_pipeline = pipeline("question-answering")  
  
translations = scrape\_bhagavad\_gita\_verses()  
  
No model was supplied, defaulted to distilbert/distilbert-base-cased-distilled-squad and revision 626af31 (<https://huggingface.co/distilbert/distilbert-base-cased-distilled-squad>).  
Using a pipeline without specifying a model name and revision in production is not recommended.

29m

while True:  
 user\_input = input("\nEnter your question (type 'exit' or 'quit' to end) : ").strip().lower()  
  
 if user\_input in ['exit', 'quit']:  
 print("\nExiting...")  
 break  
  
 answer = qa\_pipeline(question=user\_input, context=translations)  
  
 print("\nAnswer : Krishna says that, ", answer['answer'])  
 print("\tScore : ", answer['score'])

Enter your question (type 'exit' or 'quit' to end) : What will happen to him who will know Krishna, his activities, his birth in truth fully?  
  
Answer : Krishna says that, he only, undeluded among men, is freed from all sins  
Score : 0.33081597089767456

Enter your question (type 'exit' or 'quit' to end) : What does Krishna accepts as offering from his devotee?  
  
Answer : Krishna says that, obeisances  
Score : 0.8920024633407593

Enter your question (type 'exit' or 'quit' to end) : What does Krishna promise to his dear friend?  
  
Answer : Krishna says that, liberation  
Score : 0.806852400302887

Enter your question (type 'exit' or 'quit' to end) : Among the sages, Krishna is who?  
  
Answer : Krishna says that, Nārada  
Score : 0.8609985113143921

Enter your question (type 'exit' or 'quit' to end) : Among the Rudras, Krishna is who?  
  
Answer : Krishna says that, Lord Śiva  
Score : 0.9793796539306641

Enter your question (type 'exit' or 'quit' to end) : Krishna says that there is no truth above him and everything rests upon him like what?  
  
Answer : Krishna says that, unreal  
Score : 0.9013643860816956

Enter your question (type 'exit' or 'quit' to end) : exit  
  
Exiting...