```python
1  import streamlit as st
2  import pickle
3  import pandas as pd
4  import requests
5  def fetch_poster(movie_id):
6      response=requests.get('https://api.themoviedb.org
   /3/movie/{}?api_key=b635d6060fd62d46e515ca784dd26f5a&
   language=en-US'.format(movie_id))
7      data=response.json()
8      return "https://image.tmdb.org/t/p/w500"+data['
   poster_path']
9  def recommend(movie):
10     movie_index = movies[movies['title_x'] == movie].
   index[0]
11     distances = similarity[movie_index]
12     movies_list = sorted(list(enumerate(distances)),
   reverse=True, key=lambda x: x[1])[1:6]
13     recommended_movies = []
14     recommended_movies_posters = []
15     for i in movies_list:
16         movie_id = movies.iloc[i[0]].movie_id
17         recommended_movies.append(movies.iloc[i[0]].
   title_x)
18         recommended_movies_posters.append(
   fetch_poster(movie_id))
19     return recommended_movies,
   recommended_movies_posters
20 movies_dict=pickle.load(open('movies_dict.pkl','rb'))
21 movies = pd.DataFrame(movies_dict)
22 similarity=pickle.load(open('similarity.pkl','rb'))
23
24 st.title(' Movie Recommender')
25 selected_movie_name = st.selectbox(
26 "The movie I like to watch",
27 movies['title_x'].values)
28 if st.button("Recommend"):
29     names,posters = recommend(selected_movie_name)
30     col1,col2,col3,col4,col5=st.columns(5)
31
32     with col1:
33         st.text(names[0])
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34          st.image(posters[0])
35      with col2:
36          st.text(names[1])
37          st.image(posters[1])
38      with col3:
39          st.text(names[2])
40          st.image(posters[2])
41      with col4:
42          st.text(names[3])
43          st.image(posters[3])
44      with col5:
45          st.text(names[4])
46          st.image(posters[4])
47
48
49
50
51
```