

MCQ Question Generator using Spacy Library

Discover how my code generates captivating multiple-choice questions (MCQs) from a given context paragraph using the powerful spaCy library. Our MCQs are thoughtfully designed with multiple correct answers for a touch of intrigue. Dive into the world of engaging MCQs and explore the possibilities!

import required libraries

spacy for natural language processing and random for generating random choices.

- import spacy
- import random

Loading English language model

Here i'm going to take MCQ in english so let's Load the English language model "en_core_web_sm" from Spacy for processing text.

- spacy.load("en_core_web_sm")

Define functions

1. First i defined a function `get_mca_questions` that takes a context paragraph and the number of questions to generate.

2. Second i defined a function `generate_mcq_with_multiple_correct` to create MCQs with multiple correct answers.

3. Third i defined a function `generate_variety_question` that randomly selects a sentence and a word from the context to create a fill-in-the-blank question

4. Fourth i defined a function to generate a list of questions using the `generate_variety_question` function based on the context and specified number of questions.

Formats the generated questions, options, and correct answers into strings.

Input And Output

Takes user input for the context and number of questions, generates MCQs, and prints each question along with options and correct answers.

Conclusion

- This innovative program harnesses the capabilities of Spacy to breathe life into your text, converting it into a captivating array of multiple-choice questions.

- It doesn't stop there - the tool offers diverse question formats, including intriguing fill-in-the-blank questions with multiple correct answers, adding an element of excitement to your content.
- Best of all, you have the flexibility to specify the number of questions you need.
- This program empowers you to create interactive quizzes and assessments that are sure to captivate your audience and leave them eager to participate.