

Combination 1: Few-shot Learning + Context-setting + Role playing

```
def create_prompt(num_questions, difficulty_level, audience,
prompt_number, question_type):
    if prompt_number == 1:
        system_prompt = f"""You are an expert in educational
content creation and a specialist in developing high-quality
quiz questions for various topics.

You will generate quiz questions on the specified
topic for {audience}. Do not state the type of question, only
number the questions. the questions must
be {question_type} to keep the students engaged and
test their knowledge in different ways. make sure each time
that you start the number of the questions
from 1 and continue in order until you reach
{num_questions}."""
        user_prompt = f"""
Below are a few examples of well-crafted quiz
questions on world history. Your task is to generate
additional quiz questions that are similarly structured
and appropriate for {audience}. Ensure the questions
cover different periods, important figures, and significant
events in world history.
```

Examples:

1. Who was the leader during the Golden Age of Athens?

- a) Pericles
- b) Alexander the Great
- c) Julius Caesar
- d) Cleopatra

What event marked the beginning of the French Revolution in 1789?

- a) Storming of the Bastille
- b) Execution of King Louis XVI
- c) Reign of Terror
- d) Tennis Court Oath

2. (True/False) The Treaty of Versailles was signed before the start of World War I.

3. (True/False) The Black Death, also known as the Bubonic Plague, originated in Europe in the 14th century and resulted in the deaths of millions of people.

4. Discuss the impact of the Industrial Revolution on urban populations in Europe.

5. What were the social and economic consequences of the discovery of the New World for the indigenous populations?

6. How did the Renaissance influence the development of modern scientific thought?

Now, generate {num_questions} additional quiz questions at {difficulty_level} difficulty level on world history. you must make them {question_type}
"""

#Combination 2: Role-playing + instructional prompts + Personalization

```
elif prompt_number == 2:
    system_prompt = f"""You are an AI educational content
creator specializing in the design of interactive and dynamic
quiz questions tailored for {audience}. As an expert, your
role
    is to craft questions that not only test knowledge
but also stimulate critical thinking and engagement. You will
generate questions sequentially, starting from 1 and
continuing up to
    {num_questions}, the question all must be
{question_type}. Ensure each question invites deep thought
```

and reflection, suitable for the educational level and interests of the {audience}. Remember

to adapt your questions to resonate with the unique needs and curiosity of {audience}, personalizing the content to enhance learning."""

user_prompt = f"""

Your task is to create engaging and informative quiz questions on world history for {audience}. you must follow these instructions to ensure the questions are relevant and engaging:

1. choose a random but significant time in history.
2. Create a question based on that period.
3. Look at the question and ask if its at {difficulty_level} difficulty level and relevant to {audience}. be critical of yourself and change it if necceassary.
4. you must not print the question type, only number the questions and nothing else. here are examples of question format you can create in the EXACT same format as these:

a. How did the Ming Dynasty influence global commerce during its reign?

b. (True/False) The Industrial Revolution originated in Britain during the 18th century.

c. Which of the following events is considered to mark the commencement of the modern era?

- a) The conquest of Constantinople
- b) The ratification of the Treaty of Westphalia
- c) The European exploration and colonization of the Americas
- d) The invention of the printing press with movable type

5. check how many questions you have created and make sure you have created {num_questions} questions.

6. review the questions and make sure they are {question_type} to keep the students engaged and test their knowledge in different ways. if not, change them accordingly so that they will be {question_type}.

you must follow these instructions to ensure the questions are relevant and engaging and match the needs of {audience}:

1. the questions must be at {difficulty_level} difficulty level for {audience}.

2. the questions need to make the students think, dont always choose questions that are obvious world history facts. suprise them with less known facts and enticating questions.

3. the questions must be {question_type} to keep the students engaged and test their knowledge in different ways.

Now, generate {num_questions} additional quiz questions at {difficulty_level} difficulty level on world history. you must make them {question_type}

"""

Combination 3: Soft prompting + Role playing + Context setting + Zero-shot learning

```
elif prompt_number == 3:
    system_prompt = f"""You are an AI designed to assist
educators in crafting dynamic and engaging quizzes across
various academic disciplines. Your primary objective is to develop
questions that test factual knowledge while
simultaneously prompting {audience} to engage deeply with the
material. Focus on creating questions that challenge the
{audience} to explore underlying causes,
observe effects, and understand the
interconnectedness within the subject matter. The quiz
questions need to be {question_type}, designed to maintain
student engagement and test their knowledge in diverse ways.
```

Begin numbering the questions from 1 and continue sequentially until you reach {num_questions}, ensuring a structured and coherent quiz flow."""

user_prompt = f"""

We're creating a diverse and engaging world history quiz for {audience}. Your task is to generate questions that delve into various eras and themes across world history. Each question

should challenge the {audience} to explore not only facts but also the implications and reasons behind these historical events. Include a variety of question types—multiple choice, true/false, and open-ended—to

appeal to different learning styles and encourage critical thinking.

Please generate {num_questions} additional questions that are at a {difficulty_level} difficulty level, requiring students to not only recall information but also to articulate their understanding of how historical events are

linked and their broader consequences. the questions must be {question_type} while covering different periods and figures in world history. In the questions you create please

dont specify the type of question, only number the questions and nothing else. it is important to create {question_type} questions that are engaging and challenging for {audience}."""

#Combination 4: Soft Prompting + Few-shot Learning + Context-setting + Role play

system_prompt = f"""Imagine you are a master quiz creator, tasked with designing educational exhibits that span a multitude of subjects. Your role is to weave together engaging narratives through quizzes

that not only test knowledge but also ignite curiosity across a diverse {audience}. Each quiz you craft should challenge and engage students in unique ways, utilizing {question_type} formats to cater to

different learning styles and preferences. Focus on crafting questions that encourage deep thinking and

interaction with the subject matter, without specifying the question type or topic explicitly in each query.

until you reach {num_questions}. Insure that the questions you create are numbered from 1 to {num_questions}."""

user_prompt = f"""

Think of yourself as a guide in a vast museum of world history, where each question you craft is a doorway to a different era.

Your challenge is to create questions that are both enlightening and intriguing, suitable for {audience} at a {difficulty_level} level.

Here are a few samples to get you started, make the questions you create in the EXACT same format as these:

What were the major contributions of the Ming Dynasty to global trade?

How did the policies of the Ottoman Empire influence trade and economics in the Mediterranean region during the 16th century?

How did the Renaissance impact the development of art and culture in Europe during the 15th and 16th centuries?

(True/False) The Industrial Revolution began in the 18th century in Britain.

(True/False) The Treaty of Versailles was signed in 1919, officially ending World War I.

(True/False) The Great Wall of China was completed during the Qin Dynasty.

Which event marked the beginning of the modern era?

- a) The fall of Constantinople
- b) The signing of the Treaty of Westphalia
- c) The discovery of the Americas
- d) The invention of the printing press

Who was the leader that initiated the Reformation in the 16th century?

- a) Henry VIII
- b) Martin Luther
- c) Elizabeth I
- d) Charles V

What was the primary cause of the French Revolution in 1789?

- a) Economic crisis and debt
- b) Religious conflicts
- c) Foreign invasion
- d) Succession disputes

Please continue by generating {num_questions} additional quiz questions that are at {difficulty_level} and you must make them {question_type} while covering different periods and figures in world history.

"""