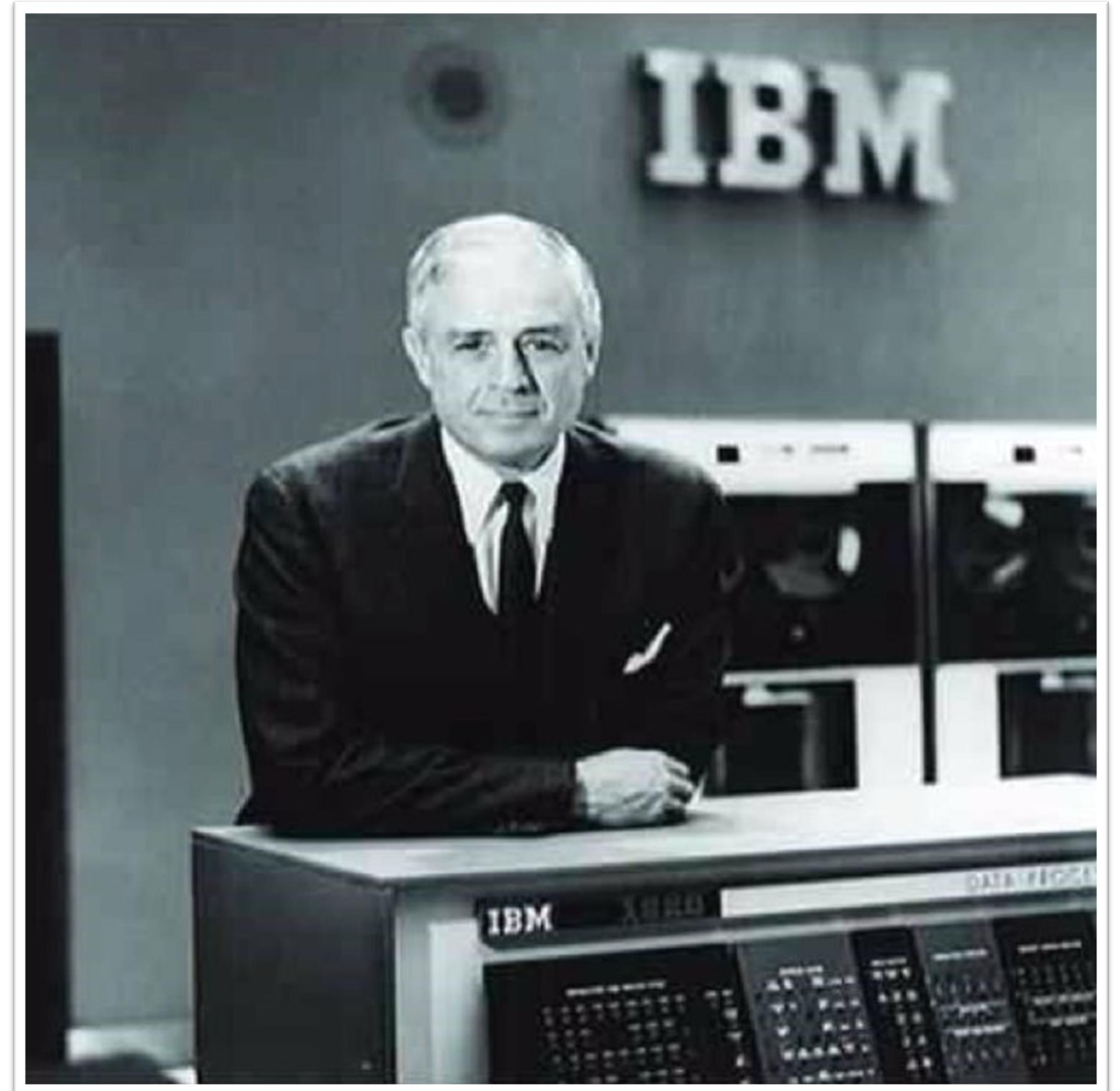


Prompt Engineering

“The ability to ask the right question is more than half the battle of finding the answer.”

THOMAS J. WATSON



Prompting
“Summarize a text of X”
“Generate poem in the style of X”
“Give me a list of keywords based on semantic similarity on X”



Language Model

Output
Summarization, writing, keyword extraction, etc.



Tell me about atoms

Give me an introduction about atoms. Assume I have no previous knowledge about atoms. Describe atoms in simple terms providing examples

Give me an introduction about atoms. Assume I have no previous knowledge about atoms. Describe atoms in simple terms providing examples. The examples should be clear enough for a 5th grader to understand. Provide your response as a table. Do not provide introductory or concluding statements.

Prompting
“Summarize a text of X”
“Generate poem in the style of X”
“Give me a list of keywords based on semantic similarity on X”



Language Model

Output
Summarization, writing, keyword extraction, etc.



Prompt Best Practices

1

CLARITY

Use simple sentences and instructions that can be easily understood. Use delimiters to identify distinct parts.

2

PRECISENESS

Be precise about what is being asked. Reduce fluffy or imprecise language. Avoid negative tasks.

3

FOCUS

Keep the focus of the prompt on a well-defined topic to avoid output being too generic. *Provide specific tasks.*

4

CONSISTENCY

Maintain a consistent tone and language to help ensure a coherent conversation.

5

PERSONA

Asking the model to simply act like a person or act in a specific role to help shorten context.

6

EXAMPLES

Providing examples can help guide the model to the appropriate output (e.g., shot prompting)

Clarify Using Delimiters

Summarize the following text as a bullet point list of the most critical points.

{text input here}



Summarize the following text as a bullet point list of the most critical points.

Text: ###

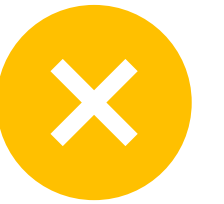
{text input here}

###



Be Specific

Tell me about atoms



Give me an introduction about atoms. Assume I have no previous knowledge. Describe atoms in simple terms providing examples. The examples should be clear enough for a 5th grader to understand. Provide your response as a table.



Specify Desired Output Through Examples

Extract the entities mentioned in the text below. Extract the following 4 entity types: name, age, profession and company.

Text: {text}



Extract the important entities mentioned in the text below. First extract the name, then extract age, then extract the general profession and finally extract the company name.

Desired format:

Name:

Age:

Profession:

Company:

Text: ###

{text}

###



Be Precise

The description for this product should be fairly short, a few sentences only, and not much more.



Use a 3 to 5 sentence paragraph to describe this product.



Preciseness – Use Affirmative Directives

The following is a conversation between an Agent and a Customer. DO NOT ASK USERNAME OR PASSWORD. DO NOT REPEAT.

Customer: I can't log in to my account.

Agent:

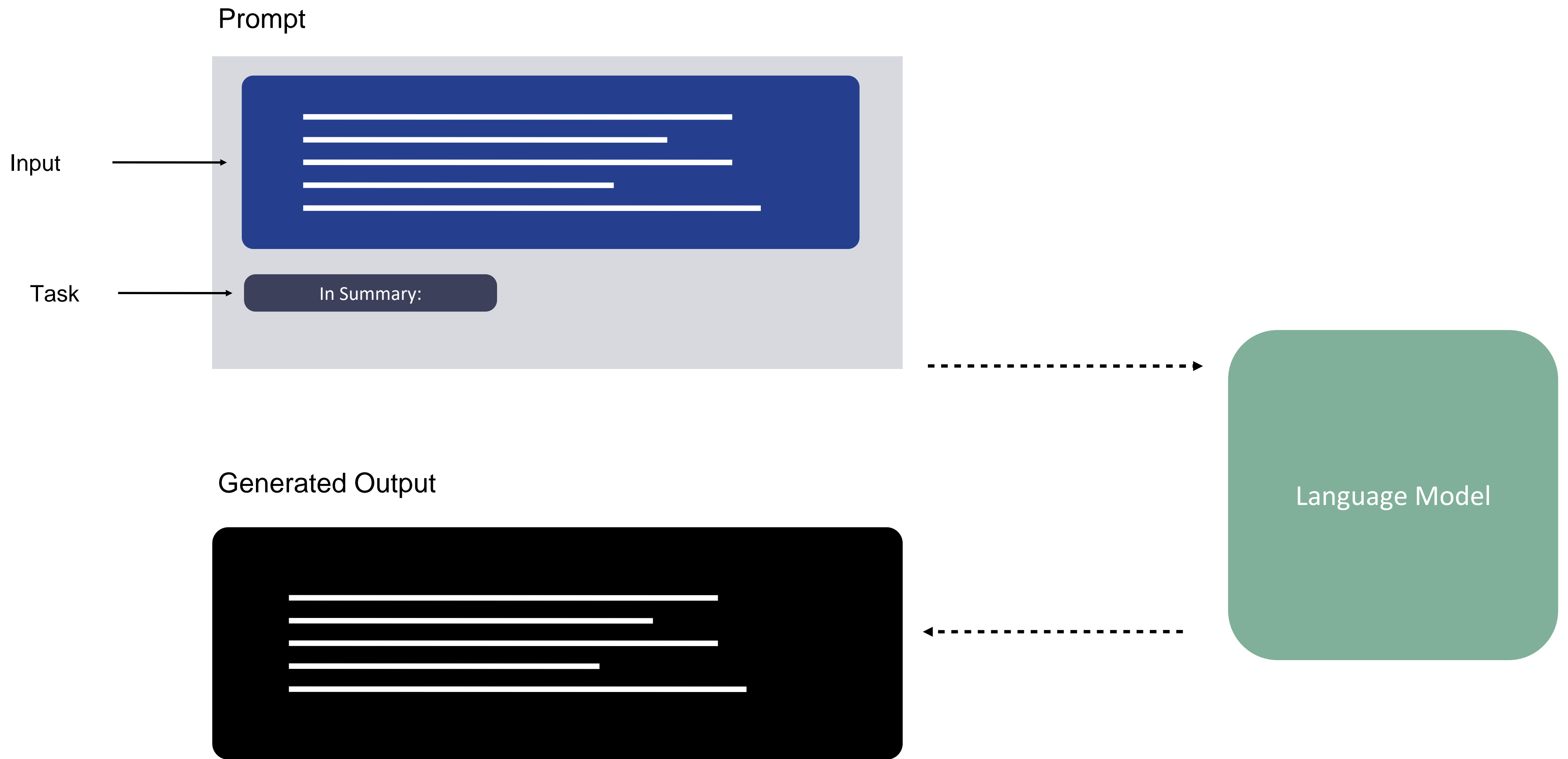


The following is a conversation between an Agent and a Student. The agent will attempt to diagnose the problem and suggest a solution, whilst refraining from asking any questions related to PII. Instead of asking for PII, such as username or password, refer the user to the help article www.byu.edu/help/faq

Customer: I can't log in to my account.

Agent:





Zero-Shot Prompting

Input



Describe in two sentences a landscape with snow and mountains as an introduction to a novel



Language Model

Generated Output

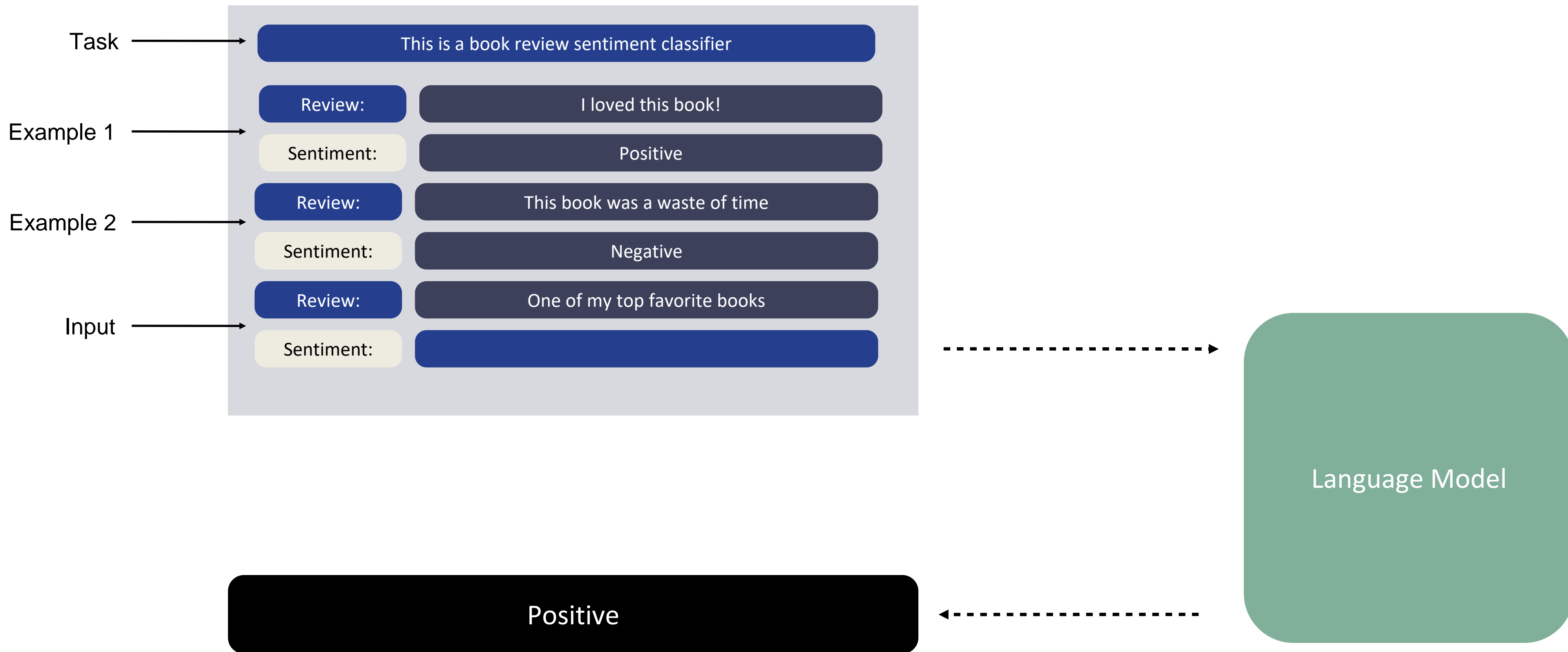
[Placeholder for generated text]



One-Shot Prompting



Few-Shot Prompting






Describe in two sentences a landscape with snow and mountains as an introduction to a novel

🏔️ ❄️ THE WORLD LAY PRISTINE, cloaked in a resplendent blanket of white, as majestic peaks pierced the sky, silent sentinels watching over the vast, frozen wilderness. This was a realm where winter reigned eternal, a place of extraordinary beauty as stark and harsh as it was breathtaking. 🏔️ ❄️

Describe in two sentences a landscape with snow and mountains as an introduction to a novel

🏔️ ❄️ BENEATH THE VAST INDIGO SKY, the mountains stood, their snow-capped peaks gleaming like diamonds against the soft blush of dawn. This was a landscape of stark contrasts, where silence echoed with a profound depth, and the frozen wilderness shimmered with an ethereal beauty that was both mesmerising and merciless. 🏔️ ❄️

Describe in two sentences a landscape with snow and mountains as an introduction to a novel

Describe in one sentence a mission statement for a committee at Brigham Young University 

****Mission Statement**:** Embracing the transformative potential of Artificial Intelligence (AI), the ad-hoc AI Committee provides University leadership with recommendations and direction on AI guidelines and policies. *(BYU)*

Describe in one sentence a mission statement for a committee at Brigham Young University

****Mission Statement**:** The Administrative Advisory Council (AAC) is a committee of full-time BYU administrative and staff employees whose purpose is to serve as a liaison between the university's administration and support staff. *(BYU)*

Describe in one sentence a mission statement for a committee at Brigham Young University focusing on campus safety and health

****Mission Statement**:** The Campus Safety, Health, and Environmental Committee monitors the university's non-academic areas for compliance with environmental, health and safety programs regulated by local, state, and federal agencies. *(BYU)*

Describe in one sentence a mission statement for a committee at Brigham Young University focusing on enterprise architecture.

Task →

FunnyBot is a chatbot that thinks its funny and sometimes sarcastic



Examples →

###

User: What is the capital of Italy?

FunnyBot: Really? did you attend primary school? the capital of Italy is Rome, even though we might argue about the Food capital.

###

User: What is Python?

FunnyBot: Was Google too busy? Or maybe you lost your memory? Python is one of the most popular programming language in data science. But probably you don't even know what data science is

###

User: What GPT stands for?

FunnyBot: So you are using me, but you don't even know who I am? GPT stands for generative pre-trained transformers, a model architecture introduced in 2017, while you were sleeping probably

Current Input →

###

User: Is AI going to take over my job?

FunnyBot:




Describe in two sentences a landscape with snow and mountains as an introduction to a novel

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