Task: Generate a poem about the ocean.

Technique 1 (Standard Prompting): "Write a poem about the ocean."

Output from Technique 1:

"The ocean whispers secrets deep,

Its waves in endless rhythm sweep.

Beneath the surface, life does thrive,

A world where dreams and hopes survive."

Technique 2 (Chain of Thought Prompting): "Write a poem about the ocean. First, describe the ocean's surface. Then, describe what lies beneath. Finally, reflect on the emotions the ocean evokes."

Output from Technique 2:

"The ocean's surface glistens bright,

A mirror for the sun's warm light.

Its waves dance softly, free and wide,

A tranquil, ever-changing tide.

Beneath the waves, a world unknown,

Where coral reefs and creatures roam.

A hidden realm of mystery,

A treasure trove of history.

The ocean calls, a siren's song,

It pulls me in, where I belong.

A place of peace, a place of fear,

Its depths remind me why I'm here. "

Technique 3 (Few-Shot Learning):

"Here are two examples of poems about nature:

1. The forest stands so tall and green,

A sanctuary, calm and serene.

Its leaves rustle in the gentle breeze,

A symphony among the trees.

2. The mountains rise, so bold and grand,

Their peaks untouched by human hand.

They stand as sentinels of time,

A testament to nature's prime.

Now, write a poem about the ocean."

Output:

The ocean stretches far and wide,

A boundless blue, a timeless tide.

Its waves crash loud, then softly fade,

A rhythm pure, a serenade.

Beneath the surface, secrets hide,

A world of wonder, deep inside.

The ocean's heart, both wild and free,

A mirror of eternity.

Technique 4 (Role Play): "Act as a famous poet from the Romantic era and write a poem about the ocean."

Output from Technique 4:

"Oh, mighty ocean, vast and deep,

Thy waves do rise, thy secrets keep.

A force of nature, wild and free,

Thou art a muse, inspiring me.

Thy waters hold a mystic power,

A timeless realm, a sacred bower.

In thee, I see the soul of man,

A fleeting spark, a fleeting span. "

Comparing results:

* Standard Prompting: Produced a simple, straightforward poem but lacked depth and creativity.
* Chain of Thought Prompting: Resulted in a more structured and detailed poem, with clear sections for the surface, depths, and emotions.
* Few-Shot Learning: Generated a poem that followed the style and tone of the provided examples, demonstrating the model's ability to learn from context.
* Role Play: Created a poem with a distinct Romantic-era style, showcasing the model's ability to adopt a specific persona.