# MCQ Generation

**Prompt**: generate me some mcq questions on the topic "Quantum Physics" with 4 options and correct answers

## Tool input given by Claude:

```
{
`MCQ_number`: 5,
`query_topic`: `Quantum Physics`,
`extra_information`: `Focus on fundame.
```

`extra\_information`: `Focus on fundamental concepts like wave-particle duality, uncertainty principle, quantum states, and basic quantum mechanics principles suitable for high school students.`

}

## Tool output given to Claude:

Question: What is the concept that suggests particles, such as electrons, can exhibit both wave-like and particle-like behavior?

### Options:

- A. Uncertainty principle
- B. Wave-particle duality
- C. Quantum entanglement
- D. Superposition

Correct Answer: Wave-particle duality

Explanation: This concept is a fundamental aspect of quantum physics, where particles can display characteristics of both waves and particles depending on how they are observed.

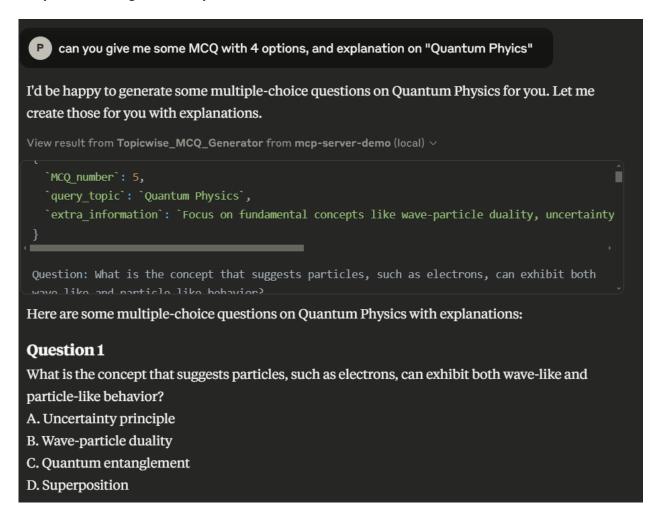
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### By this Context generated by Claude LLM:



Demostrates that MCP Server is well connected by Claude and responding very well for context generation.