

# Quiz for Class 3-Module 1

⋮ Tags	Module-1
≡ Class	3
🕒 Course Name	MLOps with Cloud
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🕒 Module Name	Introduction of MLOps
⋮ Related Topics	deployment mlops-fundamentals model-registry monitoring
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**1. What is the primary purpose of a model registry in MLOps?**

- a) To train machine learning models
- b) To deploy models to production
- c) To version and manage machine learning models
- d) To monitor model performance in real-time

**2. Which deployment strategy involves gradually rolling out a new model version to a small subset of users before full deployment?**

- a) Blue-Green deployment
- b) Canary deployment
- c) Shadow deployment
- d) Rolling update

**3. In a Blue-Green deployment strategy, what does the term "Blue" typically represent?**

- a) The new version of the model
- b) The current version of the model in production
- c) A testing environment
- d) A rollback version

**4. Which of the following is NOT typically stored in a model registry?**

- a) Model version
- b) Model performance metrics
- c) Raw training data
- d) Model artifacts (e.g., serialized model files)

**5. What is the main advantage of a Shadow deployment strategy?**

- a) It allows for easy rollback
- b) It reduces resource usage
- c) It enables real-world testing without affecting users
- d) It provides faster deployment times

**6. Which deployment strategy is most suitable for comparing the performance of multiple model versions simultaneously?**

- a) Canary deployment
- b) Rolling update
- c) A/B testing
- d) Blue-Green deployment

## 7. What is a key benefit of using a model registry in collaborative ML projects?

- a) It automatically improves model accuracy
- b) It eliminates the need for model validation
- c) It facilitates sharing and reuse of models among team members
- d) It guarantees that models will never experience drift

### ▼ Answers:

1. c) To version and manage machine learning models
2. b) Canary deployment
3. b) The current version of the model in production
4. c) Raw training data
5. c) It enables real-world testing without affecting users
6. c) A/B testing
7. c) It facilitates sharing and reuse of models among team members