* **What is the primary goal of machine learning?**

1. The primary goal of machine learning is to create machines that can perform only a single task.
2. The primary goal of machine learning is to enable computers to learn from data and improve their performance on specific tasks over time.
3. The primary goal of machine learning is to replace human decision-making entirely.

Ans: 2

* **What is the difference between supervised and unsupervised learning?**

1. Supervised learning involves training models on labeled data, where the correct answers are provided, and the model learns to map input data to output labels.
2. Supervised learning only uses unlabeled data and does not require any correct answers during training.
3. Unsupervised learning analyzes unlabeled data to discover patterns or relationships without explicit output labels.
4. Supervised learning and unsupervised learning are interchangeable terms with no distinct differences.

Ans :1,3

* **Select two examples of applications for machine learning in real-world scenarios.**

1. Machine learning is exclusively used in robotics
2. Machine learning is applied in healthcare for disease prediction and diagnosis, using patient data to identify potential health issues.
3. In marketing, machine learning is utilized for customer segmentation, allowing businesses to target specific groups with personalized advertisements.
4. Machine learning is only used in theoretical research and does not have practical applications in real-world scenarios.

Ans :2,3