Week -1 assessment concepts

**1)What is ML?**

**A)Machine Learning (ML) is a subset of artificial intelligence that enables systems to automatically learn and improve from experience without being explicitly programmed. It focuses on developing algorithms that can analyze data, identify patterns, and make decisions with minimal human intervention.**

**2)What is supervised ML algorithm?**

**A)Supervised ML algorithms learn from labelled training data, where the correct answers are provided. The algorithm makes predictions and is corrected by the teacher until it achieves an acceptable level of performance. Examples include linear regression and classification algorithms .**

**3)What is regression and classification?**

* **Regression predicts continuous numerical values (e.g., predicting house prices)**
* **Classification predicts discrete class labels (e.g., spam/not spam)**