

1a) AI, or Artificial Intelligence, refers to computer systems that can perform tasks that typically require human intelligence, such as learning, problem-solving, and decision-making. It involves using technologies to create machines and software that can mimic human cognitive functions, including understanding language, analyzing data, and making recommendations.

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2a) Machine learning (ML) is a branch of artificial intelligence (AI) that focuses on enabling computers to learn from data without being explicitly programmed. Instead of following predefined instructions, ML algorithms analyze data, identify patterns, and make predictions or decisions based on those learned patterns.

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3a) Deep learning is a type of machine learning that uses artificial neural networks to learn from data. Artificial neural networks are inspired by the human brain, and they can be used to solve a wide variety of problems, including image recognition, natural language processing, and speech recognition.

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