**Assignment 1**

Introduction–Definition

1. Define artificial intelligence (AI) in your own words. How does it differ from human intelligence? (CO1)
2. Discuss the history of AI. What are some key milestones and breakthroughs in its development? (CO1)
3. What are the different types of AI systems? Explain the distinctions between narrow AI, general AI, and superintelligence. (CO1)

Future of Artificial Intelligence

1. What are some potential benefits and risks of AI development? Discuss the ethical implications and societal challenges associated with AI. (CO1)
2. How might AI transform various industries and sectors? Provide examples of specific applications and their potential impact. (CO1)
3. What are the challenges and obstacles that need to be addressed to realize the full potential of AI? Discuss technical, ethical, and social challenges. (CO1)