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**Homework**

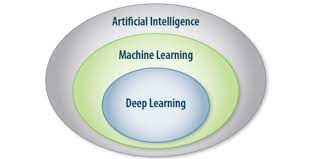
**1. There are different interpretations of artificial intelligence in different contexts. Please elaborate on the artificial intelligence in your eyes.**

*Ans: Artificial intelligence is the process by which a robot or machine learns to think like a human.*

**2. Artificial intelligence, machine learning and deep learning are three concepts often mentioned together. What is the relationship between them? What are the similarities and differences between the three terms?**

*Ans:*

* *The relationship between AI, Machine Learning and Deep Learning:*



* *Artificial intelligence (AI) or artificial intelligence (AI for short). This is a branch of the field of computer science (Computer science) that is applied and programmed by humans with the aim of letting computers automate intelligent behaviors like humans.*
* *Machine Learning specializes in regression, point distribution trends, predictability.*
* *Deep Learning is deep learning, the computer will learn and improve itself through algorithms. Deep Learning is built on much more complex concepts, mainly working with artificial neural networks to mimic the human brain's ability to think and think.*

**3. After reading the artificial intelligence application scenarios in this chapter, please describe in detail a field of AI application and its scenarios in real life based on your own life experience.**

*Ans: Search for places using Google, Smart Car, suggesting information about products or news (e-commerce) including applications such as (Facebook, Youtube, TiKi, Shopee, ...)*

**4. Which chip is for deep neural networks and Ascend AI processors. Please brief these four major modules.**

*Ans: Graphics processing unit (GPU).*

**5. Based on your current knowledge and understanding, please elaborate on the development trends of artificial intelligence in the future in your view.**

*Ans: Artificial intelligence will still develop strongly for many more years, the development of artificial intelligence makes life easier and easier for people, improving the quality of life.*