✓ Congratulations! You passed!

Grade received 80% **Latest Submission Grade** 80% **To pass** 80% or higher

1. Which of these is the best definition of "Generative AI"?   1 / 1 point

   ○ Artificial intelligence systems that can map from an input A to an output B.

   ◉ AI that can produce high quality content, such as text, images, and audio.

   ○ Any web-based application that generates text.

   ○ A form of web search.

   ⊘ **Correct**
   Generative AI refers to a collection of tools that can generate high quality text, images, and audio, including large language models (LLMs) and diffusion models for image generation.

2. Which of these is the most accurate description of an LLM?   1 / 1 point

   ○ It generates text by using supervised learning to carry out web search.

   ◉ It generates text by repeatedly predicting the next word.

   ○ It generates text by finding a writing partner to work with you.

   ○ It generates text by repeatedly predicting words in random order.

   ⊘ **Correct**

3. True or False. Because an LLM has learned from web pages on the internet, its answers are always more trustworthy than what you will find on the internet.

0 / 1 point

- ⦿ True
- ◯ False

⊗ **Incorrect**

Although LLMs have learned a lot of knowledge about the world during their training, they are sometimes known to generate plausible-sounding but incorrect answers to questions (a behavior known as "hallucinating"). It is best to fact-check the response from an LLM before using it in situations where factual accuracy is important.

4. Why do we call AI a general purpose technology?

1 / 1 point

- ⦿ Because it is useful for many different tasks.
- ◯ Because it can chat.
- ◯ Because it includes both supervised learning and generative AI.
- ◯ Because it can be accessed via the general web.

✓ **Correct**

General purpose technologies are, by definition, designed to be versatile and useful for a wide range of tasks. This broad utility across various applications is what characterizes AI as a general purpose technology.

5. You hear of a company using an LLM to automatically route emails to the right department. Which of these use cases is it most likely to be?

1 / 1 point

- ◯ Employees are copy-pasting the emails into a web interface to decide how to route them.
- ⦿ The company has a software-based application that uses an LLM to automatically route emails.

✓ **Correct**

A software-based application that uses an LLM to automatically read and route emails can process many emails automatically as they are received. So it is most likely the company is using a software-based application to carry out this work.