

1. Which practice ensures data protection and privacy standards compliance when using generative AI?

1 / 1 point

- ☐ Ignoring privacy concerns and regulations.
- ☒ Obtaining informed consent from individuals whose data is used in training or generating content.
- ☐ Striving for interpretability and explainability in generative AI systems.
- ☐ Incorporating techniques that increase biases in generated outputs.

✓ **Correct**

Correct! Individuals can understand and agree to use their data in generative AI systems by obtaining informed consent.

2. What is one concern associated with generative AI models in software development?

1 / 1 point

- ☐ The ability to create synthetic vocal recordings
- ☐ The need for extensive training data
- ☒ The potential for spreading false information
- ☐ The requirement to obtain informed consent from users.

✓ **Correct**

Correct! Generative AI models can be programmed to generate text or content that resembles human-generated content.

3. What does GPT stand for in the context of Large Language Models (LLMs)?

1 / 1 point

- ☐ Google's Programming Technique
- ☒ Generative Pretrained Transformer
- ☐ Graphical Processing Token
- ☐ General Processing Task

✓ **Correct**

Correct! GPT stands for Generative Pretrained Transformer and is one of the most widely known Large Language Models for its language-understanding capabilities.

4. How do Large Language Models (LLMs) contribute to code quality in software development?

1 / 1 point

- ☐ Enhancing user interfaces
- ☒ Automating testing and quality assurance
- ☐ Creating complex algorithms
- ☐ Optimizing hardware resources

✓ **Correct**

Correct! LLMs automate testing by creating test cases and validating code against predefined standards, ensuring software quality.

5. How does AI contribute to real-time architecture updates in software development projects?

1 / 1 point

- ☐ Providing insights into trade-offs
- ☒ Automating code review
- ☐ AI as a service
- ☐ Quantum computing integration

✓ **Correct**

Correct! AI can automate code review for higher code quality and faster development cycles.

6. Which of the following is a future trend in software development that involves making AI systems understandable by humans?

1 / 1 point

- ☐ AI-powered development
- ☐ Rise of chatbots
- ☐ Quantum computing integration
- ☒ Explainable AI

✓ **Correct**

Correct! Explainable AI initiative will focus on making AI systems easily understandable by humans to enhance transparency and accountability.

7. In the context of web development, AI text generator produces _____.

1 / 1 point

- ☐ HTML and CSS codes
- ☐ Professional logos
- ☒ Aesthetically pleasing content
- ☐ SEO measures

✓ **Correct**

Correct! As mentioned in the range, the text generator produces top-notch content, such as product descriptions, landing pages, and blog posts.

8. What advantages does AI offer in terms of design standards for websites?

1 / 1 point

- ☐ Incorporates social media
- ☐ Detects bugs
- ☒ Analyzes patterns
- ☐ Includes images

✓ **Correct**

Correct! AI ensures uniform design standards across website segments by analyzing patterns and adhering to predefined design principles, promoting consistency in the design.

9. What is a potential benefit of using AI-powered bug detection tools in coding?

1 / 1 point

- ☒ Detecting potential errors or bugs efficiently
- ☐ Ignoring errors in the code
- ☐ Making debugging processes more time-consuming
- ☐ Increasing the chances of syntax errors



Correct

Correct! AI-powered bug detection tools can detect potential errors or bugs efficiently, saving valuable time during debugging.

10. Which of the following is a linguistic concept forming the foundation of NLP?

1 / 1 point

- ☒ Syntax
- ☐ Patterns
- ☐ Decision trees
- ☐ Thermodynamics



Correct

Correct! Linguistic concepts forming the foundation of NLP include morphology, syntax, and semantics.