Here is your \*\*Lab 6 Report: Domain-Specific Applications\*\* with a complete example based on the selected activity: \*\*Educational Quiz Generation\*\*.

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# 🧪 \*\*Lab 6: Domain-Specific Applications\*\*

\*\*🎯 Objective:\*\* Use ChatGPT for a domain-specific task.

\*\*🔍 Selected Activity:\*\* Educational Quiz Generation

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## ✅ \*\*Activity: Educational Quiz Generation\*\*

### 🔹 \*\*Prompt Design\*\*

\*\*Prompt Used:\*\*

> \*"Generate a 5-question multiple-choice quiz on the topic of Artificial Intelligence for high school students. Each question should have 4 options (A–D), with the correct answer indicated."\*

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### 🔹 \*\*ChatGPT Output\*\*

#### 📘 \*\*Topic: Artificial Intelligence (AI)\*\*

\*\*1. What is Artificial Intelligence (AI)?\*\*

A. The study of human anatomy

B. Programming games only

C. Machines that simulate human intelligence

D. Building websites

✅ \*\*Answer:\*\* C

\*\*2. Which of the following is an example of AI?\*\*

A. Calculator

B. Washing machine

C. Siri or Google Assistant

D. Television

✅ \*\*Answer:\*\* C

\*\*3. Who is considered the father of Artificial Intelligence?\*\*

A. Alan Turing

B. Bill Gates

C. Steve Jobs

D. Elon Musk

✅ \*\*Answer:\*\* A

\*\*4. What does "machine learning" refer to?\*\*

A. Fixing broken machines

B. Teaching robots to cook

C. Computers learning from data without being explicitly programmed

D. Learning how to use machines

✅ \*\*Answer:\*\* C

\*\*5. Which field is closely related to AI?\*\*

A. Astrology

B. Philosophy

C. Data Science

D. Agriculture

✅ \*\*Answer:\*\* C

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## 📊 \*\*Output Evaluation\*\*

| \*\*Criteria\*\* | \*\*Evaluation\*\* |

| ----------------------- | ---------------------------------------------------------- |

| \*\*Relevance\*\* | ✅ Questions are aligned with the AI topic |

| \*\*Difficulty Level\*\* | ✅ Appropriate for high school-level understanding |

| \*\*Answer Accuracy\*\* | ✅ All correct answers are valid and factually accurate |

| \*\*Clarity & Structure\*\* | ✅ Clear, concise questions with 4 options and correct key |

| \*\*Usability\*\* | ✅ Ready-to-use for classroom quizzes or learning platforms |

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## 📝 \*\*Conclusion:\*\*

This lab demonstrates how ChatGPT can be used to generate \*\*educational quizzes\*\* tailored to specific domains and difficulty levels. The output is accurate, well-structured, and saves time for educators in designing assessments.

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Would you like this formatted into a \*\*PDF\*\* or want to try quiz generation for another subject (e.g., history, biology)?