

GEN-AI Hands-on Submission 1

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Output table:

Task	Model	Classification (Success/Failure)	Observation (What actually happened?)	Why did this happen? (Architectural Reason)
Generation	BERT	Failure	Generated only dots:	BERT is an Encoder; it isn't trained to predict the next word or use a causal mask.
	RoBERTa	Failure	Repeated the prompt or remained empty.	Encoder-only architecture designed for understanding context, not generating new text sequences.
	BART	Failure	Generated gibberish: euph OLED empirical	Encoder-Decoder architecture, but the "Base" model needs fine-tuning to generate coherent English.
Fill-Mask	BERT	Success	Predicted 'create' (Score: 0.54).	BERT is trained on Masked Language Modeling (MLM), making this its native task.
	RoBERTa	Success	Predicted 'generate' (Score: 0.37).	Uses an optimized version of MLM (Dynamic Masking) to accurately fill in missing tokens.
	BART	Failure	Error: No mask_token found.	BART uses a different internal noise/masking logic than the standard [MASK] token used in the code.
QA	BERT	Failure	Extracted , and deepfakes.	Base BERT is not fine-tuned on QA datasets like SQuAD to identify precise start/end answer spans.
	RoBERTa	Success	Correctly identified the list of risks.	Improved bidirectional representations allow it to map the question to the context more effectively.
	BART	Success	Correctly identified the list of risks.	Seq2Seq architecture is designed to take a "Question + Context" input and generate a targeted answer.