GenAI-HandsOn-1

NAME: KARTIK S MAVINKATTA

SRN: PES2UG23CS260

SEC: D

Task	Model	Classification (Success/Failure)	Observation (What actually happened?)	Why did this happen? (Architectural Reason)
Generation	BERT	*Failure*	*Example: Generated nonsense or random symbols.*	*BERT is an Encoder; it isn't trained to predict the next word.*
	RoBERTa	*Failure*	*Pipeline raised an error or output was unusable.*	*Encoder-only; not trained for autoregressive generation.*
	BART	*Partial Success*	*Short/generic text, sometimes off-topic.*	*Encoder–decoder can generate, but `bart-base` isn't fine-tuned for open-ended generation.*
Fill-Mask	BERT	*Success*	*Predicted 'create', 'generate'.*	*BERT is trained on Masked Language Modeling (MLM).*
	RoBERTa	*Success*	*Predicted plausible words with strong confidence.*	*Optimized MLM training on larger data.*
	BART	*Partial Success*	*Returned plausible tokens but less sharp than BERT/RoBERTa.*	*Denoising autoencoder; supports masking but not pure MLM.*
QA	BERT	*Failure*	*Answers were random/low quality.*	*Base model not fine-tuned for QA (SQuAD).*
	RoBERTa	*Failure*	*Answers were random/low quality.*	*Base model not fine-tuned for QA (SQuAD).*
	BART	*Failure*	*Answers were random/low quality.*	*Base model not fine-tuned for extractive QA.*