Gen AI Lab

HandsOn 1 - Submission

Name: Gauthamdev R Holla
SRN: PES2UG23CS197
Branch: CSE
Sem: 6
Section: C

Output Table:

Task	Model	Classification (Success/Failure)	Observation (What actually happened?)	Why did this happen? (Architectural Reason)
Generation	BERT	Failure	Output was just dots, no real text.	BERT is only an encoder, not built to write sentences.
	RoBERTa	Failure	Output stopped after the prompt, no continuation.	RoBERTa is also only an encoder, not made for text generation.
	BART	Partial Success	Output was messy and random words.	BART base is not trained for generation tasks.
Fill-Mask	BERT	Success	Predicted clear words like 'create', 'generate', 'produce'.	BERT is trained to guess missing words (MLM).
	RoBERTa	Success	Predicted good words like 'generate', 'create', 'discover'.	RoBERTa is trained for masked word prediction.
	BART	Success	Predicted words like 'create', 'help', 'provide', but less accurate.	BART can do MLM but it is not its main training goal.
QA	BERT	Failure	Answered only 'deepfakes' with very low score.	Base BERT is not trained for question answering.
	RoBERTa	Partial Success	Gave the whole context as answer, but not precise.	RoBERTa base is not fine-tuned for QA tasks.
	BART	Failure	Answer was a broken sentence fragment.	BART base is not trained for QA span extraction.