

# Gen AI Hands-on Unit 1

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## Output Table

T a s k	M o d e l	C l a s sif c a tio n  G e n e r a t i o n	(Success/ Failure)	O b s e r v i c e  G e n e r a t i o n	O b s e r v i c e  G e n e r a t i o n	W y d i d t h i s h a p e n ?	W y d i d t h i s h a p e n ?
G e n e r a t i o n	B E R T	Failure	Generated repetitive dots instead of meaningful text.	B E R T	BERT is an encoder-only model trained for masked token prediction, not for autoregressive text generation.		
G e n e r a t i o n	R o B E R T a	Failure	Did not generate any continuation beyond the prompt.	R o B E R T a	RoBERTa is also encoder-only and lacks a decoder to generate new tokens sequentially.		
G e n e r a t i o n	B A R T	Partial Success	Generated additional text, but the output was incoherent and nonsensical.	B A R T	BART has an encoder-decoder architecture that allows generation, but it is not fine-tuned for text generation tasks.		
F i l M a s k	B E R T	Success	Correctly predicted words such as "create", "generate", and "produce".	B E R T	BERT is trained using Masked Language Modeling (MLM), making it well-suited for predicting missing words.		
F i l M a s k	R o B E R T a	Failure	Produced an error because no valid mask token was found in the input.	R o B E R T a	RoBERTa expects the mask token <mask> instead of [ MASK ], so the input format was incompatible.		

F	B	A	Failure	Failed to perform masked word prediction.	BART is trained as a denoising autoencoder for sequence-to-sequence tasks rather than standard MLM.
Q	E	P	Partial Success	Extracted the correct phrase "hallucinations, bias, and deepfakes" but with a very low confidence score.	The base BERT model is not fine-tuned for question answering, so predictions are unreliable.
Q	R	P	Partial Success	Returned a similar phrase "as hallucinations, bias, and deepfakes" with low confidence.	RoBERTa base is not trained specifically for QA tasks such as SQuAD.
Q	A	B	Failure	Returned "Generative AI poses" instead of the actual risks.	BART base is not specialized for extractive question answering and lacks QA fine-tuning.