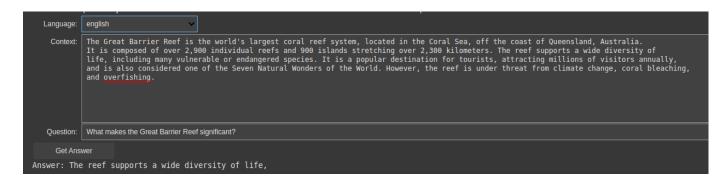
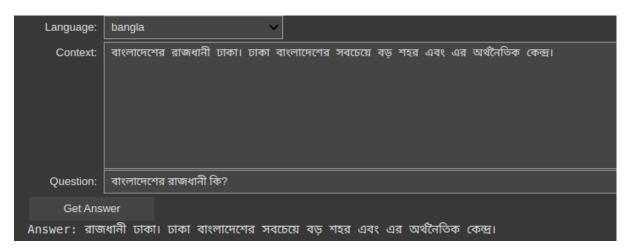
## Assessment 1

## 1. I used BERT as open source LLM





https://colab.research.google.com/drive/1FEeIWKrWGwLQ45nQpORSQYDATn1x1DXi?usp =sharing

## Assessment 2

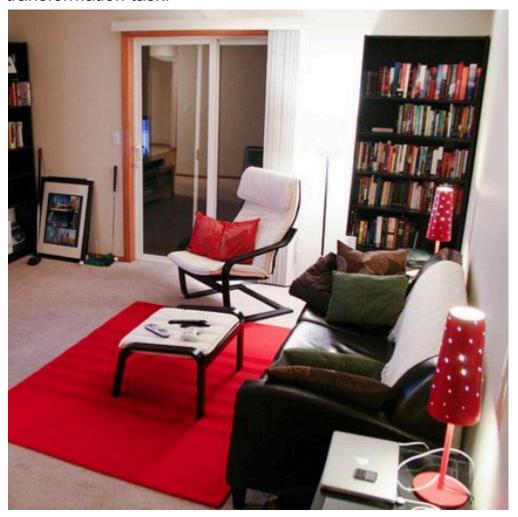
I fine-tuned the Stable Diffusion Img2Img model for image-to-image generation using my custom dataset (MagicBrushDataset).

I trained the UNet, VAE, and Text Encoder components, adjusting their weights to better transform source images into target images.

The model was adapted to perform image-to-image translation, learning to generate target-like images from source images.

I used a lightweight Stable Diffusion model, allowing for faster training and inference while still generating high-quality results.

The model was fine-tuned on my dataset while leveraging the pre-trained Stable Diffusion weights to specialize in the image transformation task.



This is the image i provided and the prompt was "change the table for a dog". As i took very less data to train so the model wasnt performing well. It produced this image Unfortunately!

I used MagicBrush dataset from hugging face.

Used AutoPipelineForImage2Image and stable-diffusion-v1-5/stable-diffusion-v1-5



https://colab.research.google.com/drive/1jrWpVvH29l6WrSVpvxKJIBUg P8QLSmoA?usp=sharing