

```
In [2]: from transformers import T5ForConditionalGeneration, T5Tokenizer
```

```
In [3]: def translate_text(input_text, target_language):
        """
        Translates the given input_text from English to the target_language using the T5 model.

        Args:
            input_text (str): The text to be translated.
            target_language (str): The target language for translation.

        Returns:
            str: The translated text in the target language.
        """
        tokenizer = T5Tokenizer.from_pretrained('t5-small')
        model = T5ForConditionalGeneration.from_pretrained('t5-small', return_dict=True)

        # Construct the input prompt for translation
        input_prompt = f"translate English to {target_language}: "

        # Tokenize and encode the input text with the input prompt
        input_ids = tokenizer(input_prompt + input_text, return_tensors="pt").input_ids

        # Generate translation outputs
        outputs = model.generate(input_ids)

        # Decode the generated output tokens to obtain the translated text
        translated_text = tokenizer.decode(outputs[0], skip_special_tokens=True)

        return translated_text

def main():
    input_text = "I am a proud citizen of Bangladesh"
    target_language = "Romanian"

    translated_text = translate_text(input_text, target_language)
    print(f"Translated text to {target_language}: {translated_text}")

if __name__ == "__main__":
    main()
```

```
/home/mahinur/.local/lib/python3.10/site-packages/transformers/generation/utils.py:1353: UserWarning: Using `max_length`'s default (20) to control the generation length. This behaviour is deprecated and will be removed from the config in v5 of Transformers -- we recommend using `max_new_tokens` to control the maximum length of the generation.
  warnings.warn(
2023-07-14 21:35:58.158432: I tensorflow/core/platform/cpu_feature_guard.cc:182] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.
```

To enable the following instructions: AVX2 FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.  
2023-07-14 21:35:59.396336: W tensorflow/compiler/tf2tensorrt/utils/py\_utils.cc:38] TF-TRT Warning: Could not find TensorRT  
Translated text to Romanian: Sunt un cetățean mândru al Bangladeshului

In [ ]: