

Machine Translation Lab Task

20K-0477

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Test Sample Output:

```
input_sentence = "In the name of Allah, the Most Gracious, the Most Merciful."  
translated_sentence = translate(input_sentence)
```

```
print("Input:", input_sentence)  
print("Translated:", translated_sentence)
```

Input: In the name of Allah, the Most Gracious, the Most Merciful.
Translated: بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ

```
input_sentence = "This is a beautiful day."  
translated_sentence = translate(input_sentence)
```

```
print("Input:", input_sentence)  
print("Translated:", translated_sentence)
```

Input: This is a beautiful day.
Translated: یہ ایک خوبصورت دن ہے

```
input_sentence = "This is a beautiful day."  
translated_sentence = translate(input_sentence)
```

```
print("Input:", input_sentence)  
print("Translated:", translated_sentence)
```

Input: How are you doing?
Translated: آپ کیسے ہیں؟

Bleu Score:

```
references = [[sentence.split()] for sentence in urdu_sentences]  
hypotheses = [translate(sentence).split() for sentence in english_sentences]
```

```
bleu_score = corpus_bleu(references, hypotheses)  
print("BLEU Score:", bleu_score)
```

```
print("BLEU Score:", bleu_score)
```

BLEU Score: 0.7368