

▼ Translating English to Hindi, French, and Spanish using mBART-50

```
from transformers import MBartForConditionalGeneration, MBart50TokenizerFast
```

```
model_name = "facebook/mbart-large-50-many-to-many-mmt"
tokenizer = MBart50TokenizerFast.from_pretrained(model_name)
model = MBartForConditionalGeneration.from_pretrained(model_name)
```

```

🔄 tokenizer_config.json: 100% 529/529 [00:00<00:00, 5.56kB/s]

sentencepiece.bpe.model: 100% 5.07M/5.07M [00:00<00:00, 8.98MB/s]

special_tokens_map.json: 100% 649/649 [00:00<00:00, 52.6kB/s]

config.json: 100% 1.43k/1.43k [00:00<00:00, 116kB/s]
```

```
text = "My name is Adarsh Arun and I am studying in Bengaluru."
```

```
tokenizer.src_lang="en_XX"
input_ids = tokenizer(text, return_tensors="pt").input_ids
```

```
token_id = tokenizer.lang_code_to_id["hi_IN"]
outputs = model.generate(input_ids, forced_bos_token_id=token_id, max_length=50)
```

```
translated_text = tokenizer.decode(outputs[0], skip_special_tokens=True)
```

```
print("Translated Text:", translated_text)
```

```
🔄 Translated Text: मेरा नाम आदरश अरुण है और मैं बंगलुरु में पढ़ रहा हूँ।
```

```
token_id = tokenizer.lang_code_to_id["fr_XX"]
outputs = model.generate(input_ids, forced_bos_token_id=token_id, max_length=50)
```

```
translated_text = tokenizer.decode(outputs[0], skip_special_tokens=True)
print("Translated Text:", translated_text)
```

```
🔄 Translated Text: Mon nom est Adarsh Arun et je suis étudiant à Bengaluru.
```

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```
token_id = tokenizer.lang_code_to_id["es_XX"]
outputs = model.generate(input_ids, forced_bos_token_id=token_id, max_length=50)
translated_text = tokenizer.decode(outputs[0], skip_special_tokens=True)
print("Translated Text:", translated_text)
```

Translated Text: Mi nombre es Adarsh Arun y estoy estudiando en Bengaluru.

Report

Model Used

- **Model:** [facebook/mbart-large-50-many-to-many-mmt](#)
- **Tokenizer:** MBart50TokenizerFast
- **Framework:** Hugging Face Transformers

Task

We translated an English sentence into Hindi, French, and Spanish using mBART-50, a multilingual sequence-to-sequence model.

- **Input Text:** "My name is Adarsh Arun and I am studying in Bengaluru."

Translated Outputs

Target Language	Translated Text
Hindi	मेरा नाम आदर्श अरुण है और मैं बंगलुरु में पढ़ रहा हूँ।
French	Mon nom est Adarsh Arun et je suis étudiant à Bengaluru.
Spanish	Mi nombre es Adarsh Arun y estoy estudiando en Bengaluru.

Notes

- The `forced_bos_token_id` sets the target language for the generated text.
- The model supports 50 languages. Kannada (`kn_IN`) is **not** available in this model.

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