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## Sharing pretrained models (PyTorch)

Install the Transformers, Datasets, and Evaluate libraries to run this notebook.

```
[ ] !pip install datasets evaluate transformers[sentencepiece]
    !apt install git-lfs
```

You will need to setup git, adapt your email and name in the following cell.

```
[ ] !git config --global user.email "you@example.com"
    !git config --global user.name "Your Name"
```

You will also need to be logged in to the Hugging Face Hub. Execute the following and enter your credentials.

```
[ ] from huggingface_hub import notebook_login

    notebook_login()
```

```
[ ] from huggingface_hub import notebook_login

    training_args = TrainingArguments(
        "bert-finetuned-mrpc", save_strategy="epoch", push_to_hub=True
    )
    tokenizer = AutoTokenizer.from_pretrained(checkpoint)
```

```
[ ] model.push_to_hub("dummy-model")
```

```
[ ] tokenizer.push_to_hub("dummy-model", organization="huggingface", use_auth_token="<TOKEN>")
```

```
[ ] from huggingface_hub import (  
    # User management  
    create_repo,  
    delete_repo,  
    update_repo_visibility,  
  
    # And some methods to retrieve/change information about the content  
    list_models,  
    ...  
)
```

```
[ ] from huggingface_hub import create_repo  
  
create_repo("dummy-model")
```

```
[ ] from huggingface_hub import upload_file  
  
upload_file(  
    "<path_to_file>/config.json",  
[ ] from huggingface_hub import Repository  
  
repo = Repository("<path_to_dummy_folder>", clone_from="<namespace>/dummy-model")
```

```
[ ] repo.git_pull()
```

```
[ ] repo.git_pull()
```

```
[ ] model.save_pretrained("<path_to_dummy_folder>")  
tokenizer.save_pretrained("<path_to_dummy_folder>")
```

```
[ ] from transformers import AutoModelForMaskedLM, AutoTokenizer
```

```
checkpoint = "camembert-base"  
model.save_pretrained( <path_to_dummy_folder> )  
tokenizer.save_pretrained("<path_to_dummy_folder>")
```