Prerequisites for Credit Default Predictor MLOps Lab

Welcome to the setup guide for the Credit Default MLOps Lab!
Follow these steps to prepare your environment before starting the exercises.

1. Install System Packages

```
sudo apt update
sudo apt install -y make build-essential libssl-dev zlib1g-dev \
libbz2-dev libreadline-dev libsqlite3-dev wget curl llvm \
libncurses5-dev libncursesw5-dev xz-utils tk-dev libffi-dev liblzma-dev
git
```

2. Install pyenv (Python Version Manager)

```
curl https://pyenv.run | bash
```

3. Configure Your Shell

For bash:

```
echo 'export PATH="$HOME/.pyenv/bin:$PATH"' >> ~/.bashrc
echo 'eval "$(pyenv init --path)"' >> ~/.bashrc
echo 'eval "$(pyenv init -)"' >> ~/.bashrc
echo 'eval "$(pyenv virtualenv-init -)"' >> ~/.bashrc
source ~/.bashrc
```

For zsh:

```
echo 'export PATH="$HOME/.pyenv/bin:$PATH"' >> ~/.zshrc
echo 'eval "$(pyenv init --path)"' >> ~/.zshrc
echo 'eval "$(pyenv init -)"' >> ~/.zshrc
echo 'eval "$(pyenv virtualenv-init -)"' >> ~/.zshrc
source ~/.zshrc
```

4. Verify pyenv Installation

```
pyenv --version
```

5. Install Python 3.11.4

```
pyenv install 3.11.4
pyenv global 3.11.4
```

6. Install Project Requirements

```
pip install -r requirements.txt
```

Ready to start the lab!