

Environment Setup Steps:

Google Collab: <https://colab.research.google.com/>

**Alternative option:**

To set up the required environment follow these steps:

**Download Python:**

Python Version:

Install Python 3.7 or later. You can download the latest version of Python from the official website:  
<https://www.python.org/downloads/>

**Package Installation:**

- Open a terminal or command prompt.

Create a virtual environment (optional but recommended) by running the following command:

```
python3 -m venv myenv
```

- Activate the virtual environment:

On Windows:

```
myenv\Scripts\activate
```

On macOS/Linux:

```
bash
```

```
source myenv/bin/activate
```

- Install the necessary libraries by running the following command:

Run the following command to install the libraries specified in the requirements.txt file:

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

Additional Dependencies:

There are no additional dependencies required for the provided code. The libraries mentioned above should cover the requirements.