

# Practical Assignment-group\_2

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## Setup and Configuration

Running with Docker(with image: icarusgao/wdps)

This image was built based on karmaresearch/wdps2, you can test the code with this image to save time in install packages.

### 1. Pull image

```
docker pull icarusgao/wdps
```

### 2. Clone the repository

```
git clone https://github.com/GordonGao2001/group_2.git  
cd group_2
```

### 3. Run the Container

```
docker run -it -v /path/to/local/directory/group_2:/home/user/workspace  
icarusgao/wdps
```

### 4. Run the code

The code is located in workspace, in container terminal:

```
cd workspace  
python main.py
```

### 5. Check the result

Output file is in the same directory

```
cat output.txt
```

### 6. Testing Programme

the test data stored in test.json, the output of test cases and accuracy are stored in test\_output.json and test\_report.

```
python test.py
```

need 30 minutes

## Running with Docker(with image: karmaresearch/wdps2)

Based on the course-provided image, follow the complete operation process. Note that some package versions may not match your operating system and may require manual handling.

### 1. Pull image

```
docker pull karmaresearch/wdps2
```

### 2. Clone the repository

```
git clone https://github.com/GordonGao2001/group_2.git  
cd group_2
```

### 3. Run the Container

```
docker run -it -v /path/to/local/directory/group_2:/home/user/workspace  
karmaresearch/wdps2
```

### 4. Prepare

```
cd workspace  
pip install -r requirements.txt  
python -m spacy download en_core_web_sm
```

### 4. Run the code

The code is located in workspace, in container terminal:

```
python main.py
```

## 5. Check the result

Output file is in the same directory

```
cat output.txt
```

## 6. Testing Programme

the test data stored in test.json, the output of test cases and accuracy are stored in test\_output.json and test\_report.

```
python test.py
```

need 30 minutes

## Running Locally

Follow these steps to run the project on your local machine:

### 1. Clone the repository

```
git clone https://github.com/GordonGao2001/group_2.git  
cd group_2
```

### 2. Create virtual environment with Anoconda

```
conda create --name wdps -c conda-forge python=3.11.2  
conda activate wdps
```

### 3. Environment Setup(Debian/Ubuntu)

```
chmod 777 set_up.sh  
./set_up.sh
```

### 4. Run the code

The code is located in workspace, in container terminal:

```
python main.py
```

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## 5. Check the result

Output file is in the same directory

```
cat output.txt
```

## 6. Testing Programme

the test data stored in test.json, the output of test cases and accuracy are stored in test\_output.json and test\_report.

```
python test.py
```

need 30 minutes