Python Scripting

1)Created the required Directories for timestamp

2)Added the files to it

```
master@master-vm:-$ mkdir -p /tmp
master@master-vm:-$ nano /tmp/timestamp.log
master@master-vm:-$ mkdir devops-commontrack-mocktest
mkdir: cannot create directory 'devops-commontrack-mocktest': File exists
master@master-vm:-$ cd devops-commontrack-mocktest
master@master-vm:-$ (devops-commontrack-mocktest)
master@master-vm:-$ (devops-common
```

3) Now next do Parse a "/tmp/timestamp.log" file

app.py file

```
GNU nano 4.8
                                                                extract errors.pv
 mport re
import json
log_file_path = "/tmp/timestamp.log"
output_json_path = "error_logs.json"
pattern = r"(\d{4}-\d{2}-\d{2}\ \d{2}:\d{2}:\d{2},\d+).*?- ERROR - (.+)"
errors = []
with open(log_file_path, "r") as file:
    for line in file:
        match = re.search(pattern, line)
        if match:
             timestamp, message = match.groups()
             errors.append({
                  'timestamp": timestamp
                 "error": message.strip()
             })
with open(output_json_path, "w") as outfile:
    json.dump(errors, outfile, indent=4)
print(f"Extracted {len(errors)} error logs to {output_json_path}")
```

4)Extracting all timestamps and error messages

```
master@master-vm:~/devops-commontrack-mocktest$ cd question2
master@master-vm:~/devops-commontrack-mocktest/question2$ ls
error_logs.json extract_errors.py
```

5)Stored the output in a Json format in a file c