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| --- | --- | --- |
| **Action** | **Expected Result** | **Actual Result** |
| main.py file is run without arguments | usage: main.py [-h] --path PATH --address ADDRESS --port PORT main.py: error: the following arguments are required: --path, --address, --port |  |
| build\_and\_run.sh file is run without arguments | ERROR : Mandatory Arguments are not given |  |
| main.py file is run with correct arguments | Making MQTT Connection New Watch Added onto /home/rkumarv Mqtt Broker Connected Successfully onto mqtt.eclipseprojects.io |  |
| main.py file is run with invalid path | pyinotify ERROR add\_watch: cannot watch /home/rkumarv/test WD=-1, Errno=No such file or directory (ENOENT) Unable to add watch on /home/rkumarv/test |  |
| main.py file is run with invalid mqtt broker | [Errno -2] Name or service not known |  |
| open specified directory (cd /path) | All the events Related change directory are published onto the absolute path as topic |  |
| create new file (touch /path/1) | File creation event is posted onto /path/1 access events is posted onto /path |  |
| delete a file (rm 1) | Delete event is posted onto /path/1 access events is posted onto /path |  |
| rename a file (mv 1 2) | Move from is posted onto /path/1 Moved To is posted onto /path/2 access events is posted onto /path |  |
| make a new directory (mkdir test) | Creation event is posted onto /path/test access events is posted onto /path |  |
| Delete watching directory (rm -r /path) | Delete Self Event is posted and program stops to execute |  |