**Task:**

Write a bash script to read a log file and perform the following operations on it:

1)      Read the log file from <https://raw.githubusercontent.com/dhruvbehl/jsonTest/master/login.log>

2)      Read the filter JSON from <https://raw.githubusercontent.com/dhruvbehl/jsonTest/master/ipfilter.json>

3)      When the script is executed and if the IP address (in the ipfilter.json) exists in the log file

a.       Create a directory with the name ie date of the log

b.      Create a file with the name IP.status of the log and store the log line in the file

**Example:**

Consider the log is

Nov 01 01:06:20 ip-address: 10.1.1.1, status: LOGIN, Message: Attempted login failure for IP Address

Nov 01 12:06:20 ip-address: 10.2.2.2, status: LOGIN, Message: Attempted login success for IP Address

Nov 01 12:06:40 ip-address: 10.2.2.2 status: PASS, Message: User logged in

Nov 01 12:07:25 ip-address: 10.2.2.2, status: PASS, Message: Traffic routing success

Nov 01 12:10:01 ip-address: 10.2.2.2, status: FAIL, Message: reverse mapping checking getaddrinfo for 216-19-2-8.commspeed.net [216.19.2.8] failed - POSSIBLE BREAK-IN ATTEMPT!

Nov 01 17:06:20 ip-address: 10.3.3.3, status: LOGIN , Message: Attempted login success for IP Address

Nov 01 17:06:20 ip-address: 10.3.3.3, status: PASS, Message: User logged in

Nov 01 17:06:20 ip-address: 10.3.3.3, status: PASS, Message: Traffic routing success

Dec 05 17:06:20 ip-address: 10.3.3.3, status: PASS, Message: User logout

And the filter is

{

                "logFile": "",

                "data": [{

                                                "ipAddress": "10.1.1.1",

                                                "debugFlag": ["FAIL", "PASS", "LOGIN"]

                                },

                                {

                                                "ipAddress": "10.1.20.10",

                                                "debugFlag": ["FAIL", "LOGIN"]

                                },

                                {

                                                "ipAddress": "10.3.3.3",

                                                "debugFlag": ["FAIL", "PASS"]

                                }

                ]

}

**Expected Output:**

Based on the JSON find the IPs in the log file, according to the debugFlag create the following:

Nov-01-201910.1.1.1_LOGIN.log10.3.3.3_FAIL.log10.3.3.3_PASS.log10.3.3.3_PASS.logDec-05-2019

The log files should contain corresponding log lines for the particular IP and status.

**Submission:**

Please submit the bash script with snapshots/video of the script run. Also write a readme file explaining how to execute the script.