

The **problem statement** was to design a logger class which will print log messages synchronously or asynchronously to different sink ( a sink can be a file, database or custom defined ) based on log level ( which can be debug, info, error etc.). One sink can be tied to multiple log levels. The logger has to read a configuration file during setup for initialization.

Sample Configuration was something like:

```
{
  sink: file,
  loglevel: debug,
  filelocation: /var/lib/sample.log
  timestampformat: "dd-mm-yyyy tt:mm:ss"
},
{
  sink: db,
  loglevel: info,
  endpoint: localhost,
  port:3306,
  timestampformat: "dd-mm-yy"
}
```

Their expectation was focussed on runnable code along with the usage of design patterns. I missed out on design patterns as my focus was entirely on making the code runnable. That is where I think I missed out the most.