How to extract request and response logs with filters?

.log().all()🡪used to print all the req and res los in console.however,if we need to print the logs in external source such as log file,this wont work.

Solution:extract the response as string value and then print in then log report.

Drawbacks:

1. We can only extract response body and print it in console,we wont be able to extract any other response related info such as response headers,response cookies.
2. 2.if we want to extract any user details twice,we wont able to do it in this way.

So,filters can be used.

Filters:

1. Inspect and alter request before it is committed.
2. Inspect and alter response before it is written.
3. It is used tocapture req and response logs in log file
4. **public** StringWriter responsewriter;
5. **public** PrintStream responsecap;
6. @BeforeTest
7. **public** **void** init() {
8. requestwriter = **new** StringWriter();
9. requestcap = **new** PrintStream(**new** ~~WriterOutputStream~~(requestwriter), **true**);
10. responsewriter = **new** StringWriter();
11. responsecap = **new** PrintStream(**new** ~~WriterOutputStream~~(responsewriter), **true**);
12. }
14. @Test
15. **public** **void** getlogswithfilters() {
16. *given*().filter(**new** RequestLoggingFilter(requestcap)).filter(**new** ResponseLoggingFilter(responsecap)).get("/list")
17. .then();
18. System.***err***.println(requestwriter.toString());
19. System.***err***.println(responsewriter.toString());
20. }