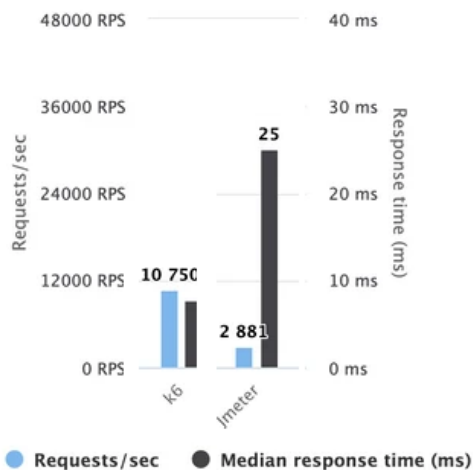|	JMETER	K6
PROTOCOL	Supports Http, Ftp, Jdbc, Soap, Ldap, Tcp, Jms, Smtp, Pop3, Imap	Supports Http and Web sockets
Resource Consumption	Jmeter consumes more memory. Its heavy weight	Lightweight, not much memory consumption
Integration with Version Control CI/CD	No	Very Easily Possible
How easily you can write scripts?	It takes time to design complex scripts	Testers can design complex script pretty quickly
Maintenance if developer changes API or extensibility	Hard to maintain especially of done through record and play	Much easier
Ramp-up Virtual Users	Use Plugins	Inbuilt in K6
Concurrent Users (any limit)	No	No
Verify Test Results	Yes, but listeners takes memory	Yes, no issues
Supports Distribution	Yes	Yes
Record and Auto generate Scripts	It doesn't require programming skills. It has a nice record and playback option.	It might require some coding skills, but K6 also support a few options to record a user session to auto-generate the load test.

Response time vs RPS, 100 VU

Measurement Error	100VU – able to achieve 3000 RPS. It adds measurement error of 30ms	100VU – able to achieve 10000 RPS. It adds measurement error of 7ms

Use Jmeter - Load testing with different protocols | You can record scenarios with Jmeter or Blaze-meter |Testers who prefer to record the script | Less learning curve for Manual Testers | Lots of manual testers in project without much coding skills, no plan to integrate with CI/CD, developer API documentation is not available, quickly record & auto-generate scripts

 Use K6 - You can use HAR files to generate record sessions |Checks and Thresholds – for goal-oriented, automation-friendly load testing |Open source, great forum and documentation | Lightweight uses JavaScript |Does not run in NodeJS and doesn't run in a browser is its biggest advantage | Extremely lightweight | Integrate with CI/CD, Slack | Automation enthusiastic | Easier to maintain and extend | Goal Based Load Testing