What is performance testing?	
Name different types of performance testing	Load testing Stress testing Endurance testing Spike testing Volume testing Scalability testing
Differentiate between Stress Testing and Load Testing?	Stress Testing is also known as negative testing as the tester test the system beyond its boundaries specified to discover the breakpoint threshold of the system. Whereas load testing is the easiest form of performance testing which is done by increasing the testing load step by step to reach the defined limit or the goal.
What are the common performance problem does user's face?	Longer loading time Poor response time Poor Scalability Bottlenecking (coding errors or hardware issues)
What are the Important performance testing tool?	
What is the difference between JMeter and SOAPUI?	JMeter- It is used for load and performance testing HTTP, JDBC, JMS, Web Service (SOAP), etc. It supports distributed load testing SoapUI -It is specific for web services and has a more user-friendly IDE It does not support distributed load testing
What is a protocol and name a few protocols?	A protocol is a defined as a set of various rules for the purpose of information communication between the two or more systems. There are many protocols such as Http/Https, FTP, Web Services, Citrix, Http/Https and Web Services.
What is Endurance Testing and Spike Testing?	Endurance Testing: It is one type of performance testing where the Testing is conducted to evaluate the behavior of the system when a significant workload is given continuously Spike Testing: It is also a type of performance testing that is performed to analyze the functioning of the system when the load is increased substantially.
Explain the steps required in JMeter to create a performance test plan	Add thread group Add JMeter elements Add Graph result Run test & get the result

What is the throughput in Performance Testing?	Throughput is the amount of data transferred to the server as a response at a given period of time. It is calculated in terms of requests per second. Performance of application depends on throughput value, higher the value of throughput -higher the performance of the application.
What is concurrent user hits in load testing?	In load testing, without any time difference when multiple users hit on the same event of an application under the load test is called a concurrent user hit.
Explain where you can use functions and variables?	Variables and functions can be written into any field of any test component
Whether the test plans built using JMeter are OS dependent?	Usually, Test Plan are saved in their XML format, so there is nothing to do with any particular O.S. It can be run on any OS where JMeter can run.
Mention what are the types of a processor in JMeter?	Pre-processor Post processor
What are the different ways of Data Parametrization in Jmeter?	CSV Data Set Config User Defined Variables.
Explain the difference between Gaussian and Poisson Timers.	Both Gaussian and Poisson Timers work on a mathematical formula with some constant Delay and additional offset. Difference between the two lies in the fact how the lambda value is calculated in case of Poisson timer and how deviation is calculated in case of Gaussian Timer.

What are the major differences between Jmeter and Load Runner.	Load Runner Licensed Software Developed by Mercury UI is very impressive It has more technical capabilities. Load Runner.	Jmeter Open Source tool. Developed by Apache. It lacks in UI Less technically sound as compared to
What are the types of controller in Jmeter?	Recording Controller IF Controller While Controller Transaction Controller Loop Controller Simple Controller Module Controller	

Is It Required To Prepare Separate Test Plan Using JMeter For The Testing Of The Same Application On Different Operating System?	A JMeter Test Plan can run on any OS. 1. JMeter is itself a pure Java-based application which makes it platform independent. 2. JMeter uses XML format while saving a Test Plan. Thus, they have nothing to do with any particular OS. You can run those Test Plans on any OS where JMeter can run.
What is ramp up period?	In JMeter ramp-up period defines the time period within which the all the specified users get in running state.