**How to do Performance Testing Using Performance Testing Tool?**

* Take any performance testing tool (J-meter &write test scripts.
* Click on run, tool will ask to enter the number of users.
* Those many requests will be fired at the server, now there is heavy load on the server.
* Server sends the response to the performance testing tool(J-meter).
* Tool will analyze the response & give the result in the form of graph.
* TE should analyze the result & decide whether the test is pass or fail.
* If it is fail, then it is defect, communicate to developer, developer will alter the code to improve the performance, i.e.., they do performance tuning & give new build to TE.
* Once again TE should run the script & repeat all the steps.

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**Types of Performance Testing:**

**1) Load Testing:**

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* Testing the stability and response time of an application by applying load less than or equal to designed number of users is called as Load Testing.

**2) Stress Testing:**

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* Testing the stability and response time of an application by applying load more than the designed number of users is called as Stress Testing.

**3)Volume Testing:**

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* Testing the stability and response time of application by transferring huge volume of data is called as Volume Testing.

**4) Soak Testing:**

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* Testing the stability and response time of an application by applying load continuously for the particular period of time is called as Soak Testing.

**For Kind of application we do Performance Testing?**

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* Any applications which is used by the Multiple users.
* Any applications which generate lot of revenue.

**when we do performance testing?**

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* Different projects we will do performance testing in different ways,
* Certain project they will do performance testing When the product become functionally stable.
* Certain project they will implement performance testing in beginning of SDLC.