1. ***What are different levels of software testing available***
2. *There are various levels of software testing, each with its own objectives and scope.*

***1. Unit Testing***

*Testing individual units or components of the software, such as functions or modules.*

*Ensures that each unit functions as expected.*

***2. Integration Testing***

*Testing how different units or components work together.*

*Ensures that the software's components integrate seamlessly.*

***3. System Testing***

*Testing the complete, integrated software system.*

*Ensures that the software meets the specified requirements.*

***4. Acceptance Testing***

*Testing to ensure the software meets the user's acceptance criteria.*

*Conducted by the end-users or customers.*

***5. Regression Testing***

*Testing to ensure changes made to the software haven't introduced new bugs.*

*Ensures that the software still works as expected after changes.*

***6. Smoke Testing***

*High-level testing to ensure the software's critical functionalities work.*

*Quick testing to ensure the software is stable enough for further testing.*

***7. Sanity Testing***

*Brief testing to ensure the software's basic functionalities work.*

*Quick testing to ensure the software is stable enough for further testing.*

*8. User Acceptance Testing (UAT)*

*Testing to ensure the software meets the business requirements.*

*Conducted by the end-users or customers.*

***9. Beta Testing***

*Testing the software with a small group of real users.*

*Ensures that the software works in real-world scenarios.*

***10. Alpha Testing***

*Testing the software with a small group of internal testers.*

*Ensures that the software is stable and works as expected.*

*Each level of testing builds upon the previous one, ensuring that the software is thoroughly tested and meets the required standards.*