1.   In Java, are objects passed by reference or by value?

**Ans**. In Java, everything is pass by value.Java does not pass method arguments by reference.The arguments are passed by value.For Java objects, object reference is passed by value and so original reference and parameter passed both refer to the same object.If we call a method passing a value,it is known as call by value.The changes done in the called method is not affected in the calling method.

2. Is Hash Map thread safe?

**Ans** In Hash Map, methods are not synchronized.So it is not thread safe.

3.What is the difference between Junit and TestNG?

**Ans** TestNG was developed based on JUnit.However Test NG has more features compared to Junit.Test NG has more annotations and more grouping can be done easily with TestNG.It supports parallel testing and dependency testing which are not supported by Junit. TestNG generates report in a more readable format.

4. Can you name different kinds of web services?

**Ans** WebService is a type of API which helps to transfer data using certain protocols.

Different WebServices are SOAP,REST,XML-RPC.

5. What are the different tools you used for REST API automation? Which one do you prefer and why?

**Ans** Different tools used for REST API Automation are Soap UI Tool, RestAssured and HTTP Client.

Manual tools are Postman,Rest Client,Advanced Rest Client etc.

Soap UI Tool is one of the popular tool since it supports functional,regeression ,load tests and security tests.Rest Assured is preferred over HTTP Client, because it has more easy to use methods than HTTPClient.

6.What is the difference between HTTP and HTTP-S?

**Ans** HTTP is Hyper Text Transfer Protocol.HTTPS is Hyper Text Transfer Protocol Secure. Sites running over HTTPS will redirect to deliver over secured connection.

7. What are the different tools you used for UI test automation on your current or past projects?

**Ans** In recent projects, Automation was done with Selenium WebDriver and Java.TestNG was used for annotations and also used Apache POI and Apache log4j for data driven testing and logging respectively. In previous project, Selenium RC was also used.

8. Name three types of locators in Selenium?

**Ans** By.id

By.CSSselector

By.Xapth

9. What does DDL stand for? Give me some examples.

**Ans** DDL stands for data definition language.DDL commit all changes to database.Examples for DDL are Create,Alter,Drop,Rename,Truncate

10.    What is a primary Key, why we need them?

**Ans** Primary key is the unique identifier inside the table.IT helps to identify each record uniquely. It cannot have null values and can have only unique values. Table can have only 1 primary key.