1. **In an SSIS Package Execute SQL Task that returns one value from a SQL query what ResultSet type must be selected**

**Single row.**

1. **What is the purpose of Parameter Mapping in Execute SQL Task and how does the indexing of question marks (?) relate to it?**

**When we define some conditions in sql by when function we should put ? for manually change the condition firstly we should create variable and then we assign this variable in parameter mapping if there is one ? we index it as 0 when there are more of it we index them based on which one came first.**

1. **Describe how you can view the value stored in an SSIS variable at runtime using Breakpoints.**

**We define choose breakpoin for example I put breakpoint postexecution and then through debug tab I open watch window and drag and drop variable that I want to see.**

1. **Explain how to configure a Script Task to print a string variable named @StudentName. Provide the C# line used for display.**

**Messagenox.show(Dts.varibales[“@StudentName”].value.tostring());**

1. **How do you use two separate SQL queries in SSIS where the first query stores its result in a variable, and the second one uses that variable as a parameter?**

**I use two sql execute and in the first one I choose variable that stores value I choos single row in result set and build second sql execute in that I define that variable in parameter maping as index 0 then I run query.**

1. **In an Execute SQL Task with multiple parameters (?), how do you match variables to specific positions?**

**With indexes and variables. For example my query is like that**

**Select top ? name, price from product**

**Where category =? And quantity=?**

**There the indexes of top = 0, category = 1, quantity = 2 .**

1. **What is the role of DelayValidation when working with dynamic file paths?**

**To skip validation during run time when filepath is created in runtime we should skip it because we are creating it during runtime so we should ensure delayvalidation is true**

1. **What happens if a result set is set to "Full Result Set" but the SQL query only returns a single value?**

**"ResultSet" property not set correctly,**