**Try Catch**

//\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1. Example \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEGIN TRY

-- T-SQL statements to execute here

SELECT 1/0; -- Divide by zero error will occur here

END TRY

BEGIN CATCH

-- Error handling statements here

PRINT 'Error Number: ' + CAST(ERROR\_NUMBER() AS VARCHAR);

PRINT 'Error Message: ' + ERROR\_MESSAGE();

PRINT 'Error Line: ' + CAST(ERROR\_LINE() AS VARCHAR);

PRINT 'Error Procedure: ' + COALESCE(ERROR\_PROCEDURE(), 'N/A');

PRINT 'Error Severity: ' + CAST(ERROR\_SEVERITY() AS VARCHAR);

PRINT 'Error State: ' + CAST(ERROR\_STATE() AS VARCHAR);

END CATCH

//\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. Example \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BEGIN TRY

-- T-SQL statements to execute here

SELECT CustomerName

FROM customer

WHERE CustomerName = 1000

END TRY

BEGIN CATCH

-- Error handling statements here

PRINT 'Error Number: ' + CAST(ERROR\_NUMBER() AS VARCHAR);

PRINT 'Error Message: ' + ERROR\_MESSAGE();

PRINT 'Error Line: ' + CAST(ERROR\_LINE() AS VARCHAR);

PRINT 'Error Procedure: ' + COALESCE(ERROR\_PROCEDURE(), 'N/A');

PRINT 'Error Severity: ' + CAST(ERROR\_SEVERITY() AS VARCHAR);

PRINT 'Error State: ' + CAST(ERROR\_STATE() AS VARCHAR);

END CATCH

//\_\_\_\_\_\_\_\_\_\_ **Raise Error** Show Message Prompt \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

begin try

select \* from Customer where TotalOrders = 'Pakistan Zindabad';

end try

begin catch

DECLARE @ErrorMessage NVARCHAR(4000);

DECLARE @ErrorSeverity INT;

DECLARE @ErrorState INT;

SELECT

@ErrorMessage = 'Error Number : ' + cast( Error\_number() as varchar ) + CHAR(13) + CHAR(10) +

'Error Message : ' +cast( Error\_message() as varchar ) + CHAR(13) + CHAR(10) +

'Error Line : ' + cast( Error\_Line() as varchar ) + CHAR(13) + CHAR(10) +

'Error state : ' + cast( Error\_state() as varchar ),

@ErrorSeverity = 16,

@ErrorState = 1;

**\_\_\_\_\_\_\_ Raise Error \_\_\_\_\_\_\_\_**

RAISERROR (@ErrorMessage, @ErrorSeverity, @ErrorState);

end catch