—Create QA\_test table

CREATE TABLE dbo.qa\_tests(code varchar(10),description varchar(3000),enabled varchar(1),parameter varchar(50),test\_sql varchar(5000),exp\_result varchar(1)

);

—Create channel\_table table

CREATE TABLE channel\_table(channel\_code varchar(10),channal\_name varchar(10))

—Create CHANNEL\_TRANSACTION table

CREATE TABLE CHANNEL\_TRANSACTION(channel\_code varchar(10),transaction\_amount varchar(10),transaction\_date varchar(15) )

— Create Audit table

CREATE TABLE AUDIT\_TABLE(TEST\_CASE\_ID VARCHAR(30),PROJECT VARCHAR(100),EXECUTION\_RESULT VARCHAR(50), EXECUTION\_TIME VARCHAR(20))

—Insert sample records into channel table :

insert into channel\_table values(1000,'online');

insert into channel\_table values(1000,'online');

insert into channel\_table values(1001,'store');

—Insert sample records into channel transaction :

insert into CHANNEL\_TRANSACTION values(1000,'£30',CAST(CAST( GETDATE() AS Date ) AS VARCHAR))

insert into CHANNEL\_TRANSACTION values(1000,'£50',CAST(CAST( GETDATE() AS Date ) AS VARCHAR))

insert into CHANNEL\_TRANSACTION values(1002,'£30',CAST(CAST( GETDATE() AS Date ) AS VARCHAR))

-- Insert test case records into QA\_test table

insert into dbo.qa\_tests values ('qa\_ch\_01','Runs the SQL against the Channel table to count duplicates. Duplicates count must be 0',

'Y','env','select count (\*) from channel\_table group by channel\_code having count (\*) > 1','0');

insert into dbo.qa\_tests values ('qa\_ch\_02','Check the FK between channel\_code and its child table channel\_transaction to identify orphans at a given date',

'Y','env,date','select count (\*) from channel\_transaction A left join channel\_table B on (A.channel\_code = B.channel\_code) where B.channel\_code is null and A.transaction\_date={{ transaction\_date }}','0');

insert into dbo.qa\_tests values ('qa\_ch\_03','Counts the records in channel\_transaction table at a given date that have amount null',

'N','date','select count (\*) from channel\_transaction where transaction\_date = {{ transaction\_date }} and transaction\_amount is null','0');