--Creating a guestuser database user CREATE USER guestuser FOR LOGIN guestuser

Ш	Results	∰ Mess	ages		
	vc_Us	erLoginID	vc_UserID	UserLoginTimestamp	LoginLocation
1	1		6	2020-11-27 14:35:46.187	localhost
2	2		6	2020-12-01 19:21:44.023	localhost
3	3		6	2020-12-01 19:21:56.850	localhost
4	4		66	2020-12-05 20:26:44.257	Gallifrey

SELECT * FROM vc_User

SELECT * FROM vc_MostProlificUsers

DECLARE @addedValue int EXEC @addedValue = vc_AddUserLogin 'TheDoctor', 'Gallifrey'

EXEC vc_FinishVidCast @newVC

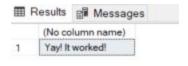
- --Creating a guestuser database user CREATE USER guestlogin FOR LOGIN guestlogin
- --Grant read permission on the user table GRANT SELECT ON vc_User to guestlogin
- --Revoke the select permission REVOKE SELECT ON vc_User to guestlogin
- --Give them the view instead GRANT SELECT ON vc_MostProlificUsers to guestlogin
- --Allow guest user to run some stored procedures
 GRANT EXECUTE ON vc_AddUserLogin TO guestlogin

GRANT EXECUTE ON vc_FinishVidCast TO guestlogin

```
, 45
, (SELECT vc_UserID FROM vc_User WHERE UserName = 'tardy')
, (SELECT vc_StatusID FROM vc_Status WHERE StatusText = 'Started')
)

SET @newVC = @@identity

SELECT * FROM vc_UserLogin
```



	lab_LogID	lab_loint
1	1	1
2	3	2
3	2	3
4	4	5

	lab_TestID	lab_testText	
1	1	One	
2	5	Picon	
3	3	Three	
4	2	Two	

The first failed because when we tried to insert the value 'One' in row 34, it did not add it because it already existed. Once the transaction code ran, there was no change to the row count, but once i added my last name on row 34, that was a new value and the row count actually changed.

```
CREATE TABLE lab_log (
      lab_LogID int identity primary key,
      lab_loInt int unique not null
)
INSERT INTO lab_Test (lab_testText) VALUES ('One'), ('Two'), ('Three')
INSERT INTO lab_Log (lab_loInt) SELECT lab_TestID FROM lab_Test
--Step 1: Begin the transaction
BEGIN TRANSACTION
      --Step 2: Access the state of things
       DECLARE @rc int
      SET @rc = @@ROWCOUNT --Initially 0
      --Step 3: Make the change
      --On success, @@ROWCOUNT is incremental by 1
      --On failure, @@ROWCOUNT does not change
      INSERT INTO lab_test (lab_testText) VALUES ('Picon')
      --Step 4: Check the new state of things
       IF(@rc = @@ROWCOUNT)--If @@ROWCOUNT was not changed, fail
       BEGIN
             --Step 5, if failed
             SELECT 'Bail out! It Failed!'
             ROLLBACK
       END
       ELSE -- Success! Continue.
       BEGIN
             -- Step 5 if succeeded
      SELECT 'Yay! It worked!'
       INSERT INTO lab_Log (lab_loInt) VALUES (@@identity)
      COMMIT
      END
SELECT * FROM lab Log
SELECT * FROM lab_Test
```