Script to bulk add SysAdmins to SQL Server

Recently I had a project where I needed to add a number of logins as SQL Server sysadmin users to several SQL Server instances. Rather than spending hours clicking through the SSMS dialogs to add those users I decided to script it out. The requirement was the given a list of usernames and passwords the user be added as a sysadmin if they do not exist, and if they already exist, then just reset their password to match the password provided.

I decided to do this as a temporary stored procedure since I didn't need to keep it around. so I created the procedure with the # sign as #addSysAdmin. the code looks like this.

```
CREATE PROCEDURE #addSysAdmin (  @username NVARCHAR(1000),  @password NVA
RCHAR(1000) ) AS BEGIN  -- Adds the user, unless they are already there i
t sets the password for that user  DECLARE @tsql NVARCHAR(MAX) = '';   IF
 NOT EXISTS    (SELECT name      FROM master.sys.server_principals    WHE
RE name = @username)  BEGIN   print 'Does not exists, creating user';
SET @tsql = CONCAT('CREATE LOGIN [', @username, '] WITH PASSWORD=N''', @p
assword,''', DEFAULT_DATABASE=[tempDB], CHECK_EXPIRATION=OFF, CHECK_POLIC
Y=ON;   ALTER SERVER ROLE [sysadmin] ADD MEMBER [', @username, '];');   p
rint @tsql;   EXEC sp_executesql @tsql;  END  ELSE  BEGIN   print 'Exists
, setting password';   SET @tsql = CONCAT('ALTER LOGIN [', @username, ']
WITH PASSWORD=N''', @password,''';');   print @tsql;   EXEC sp_executeSQL
 @tsql;  END END GO EXEC #addSysAdmin @username  = 'newAdmin', @password
= 'Password1%';  GO DROP PROCEDURE #addSysAdmin;
```

I then added several lines to call the #addSysAdmin sproc one for each user that I needed to add, and I copied and pasted the script onto each of the SQL Servers where the users needed to be added.

Note this script only works on SQL Server 2012 and newer due to my use of the CONCAT statement. It could easly be adapted to run on older version of SQL Server by replacing the

CONCAT with the old style concatenation of the plus symbol +.