```
 1  --STORE PROCEDURES FOR CreditUnionDBS
 2
 3  --------------------------------------------------------------------------------
    --------
 4  -- 1
 5  --------------------------------------------------------------------------------
    --------
 6  CREATE PROCEDURE [dbo].[uspAllAccounts]
 7  AS
 8  BEGIN
 9      SELECT * FROM Account
10  END
11  --------------------------------------------------------------------------------
    --------
12  -- 2
13  --------------------------------------------------------------------------------
    --------
14  CREATE PROCEDURE [dbo].[uspCheckPassword]
15      @user nvarchar(30),
16      @pass nvarchar(16)
17  AS
18  BEGIN
19      SET NOCOUNT ON;
20      IF EXISTS(SELECT * FROM LoginDetails WHERE Username = @user AND [Password]
        = @pass)
21          SELECT 'true' AS UserExists
22      ELSE
23          SELECT 'false' AS UserExists
24  END
25  --------------------------------------------------------------------------------
    --------
26  -- 3
27  --------------------------------------------------------------------------------
    --------
28  CREATE PROCEDURE [dbo].[uspCollectAccNum]
29      @id int
30  AS
31      SELECT AccountNumber, AccountType, Username, InitialBalance From Account
        Where AccountNumber = @id
32  RETURN 0
33  --------------------------------------------------------------------------------
    --------
34  -- 4
35  --------------------------------------------------------------------------------
    --------
36  CREATE PROCEDURE [dbo].[uspCountAccount]
37  AS
38  BEGIN
39      SELECT COUNT(AccountNumber) FROM Account
```

```sql
40  END
41  ----------------------------------------------------------------------------- ⮡
      --------
42  -- 5
43  ----------------------------------------------------------------------------- ⮡
      --------
44  CREATE PROCEDURE [dbo].[uspCreateAccount]
45      @username nvarchar(30),
46      @fn nvarchar(20),
47      @sn nvarchar(20),
48      @email nvarchar(30),
49      @phone nvarchar(10),
50      @add1 nvarchar(50),
51      @add2 nvarchar(50),
52      @city nvarchar(15),
53      @county nvarchar(15),
54      @accType nvarchar(15),
55      @accountNumber int,
56      @sortCode int,
57      @bal money,
58      @overdraft money
59  AS
60  BEGIN
61      INSERT INTO Account(Username, Firstname, Surname, Email, Phone,          ⮡
          AddressLine1, AddressLine2, City, County, AccountType, AccountNumber,  ⮡
          SortCode, InitialBalance, OverdraftLimit)
62      VALUES(@username, @fn, @sn, @email, @phone, @add1, @add2, @city, @county, ⮡
          @accType, @accountNumber, @sortCode, @bal, @overdraft)
63  END
64  ----------------------------------------------------------------------------- ⮡
      --------
65  -- 6
66  ----------------------------------------------------------------------------- ⮡
      --------
67  CREATE PROCEDURE [dbo].[uspFilterByAccType]
68      @accType nvarchar(10)
69  AS
70  BEGIN
71      SELECT * FROM Account WHERE AccountType = @accType
72  END
73  ----------------------------------------------------------------------------- ⮡
      --------
74  -- 7
75  ----------------------------------------------------------------------------- ⮡
      --------
76  CREATE PROCEDURE [dbo].[uspFreeUsername]
77      @username nvarchar(30)
78  AS
79  BEGIN
```

```sql
80      SELECT COUNT(*) FROM LoginDetails WHERE Username = @username
81  END
82  --------------------------------------------------------------------------------- ↵
        --------
83  -- 8
84  --------------------------------------------------------------------------------- ↵
        --------
85  CREATE PROCEDURE [dbo].[uspGetDeposits]
86  AS
87  BEGIN
88      SELECT *
89      FROM Deposits
90  END
91  --------------------------------------------------------------------------------- ↵
        --------
92  -- 9
93  --------------------------------------------------------------------------------- ↵
        --------
94  CREATE PROCEDURE [dbo].[uspGetTransfer]
95  AS
96  BEGIN
97
98      SELECT * FROM [Transfer]
99  END
100 --------------------------------------------------------------------------------- ↵
        --------
101 -- 10
102 --------------------------------------------------------------------------------- ↵
        --------
103 CREATE PROCEDURE [dbo].[uspGetWithdrawals]
104 AS
105 BEGIN
106     SELECT *
107     FROM Withdraws
108 END
109 --------------------------------------------------------------------------------- ↵
        --------
110 -- 11
111 --------------------------------------------------------------------------------- ↵
        --------
112 CREATE PROCEDURE [dbo].[uspInsertDeposit]
113     @accNum int,
114     @accType nvarchar(10),
115     @pBalance money,
116     @amt money,
117     @newBal money
118 AS
119 BEGIN
120     INSERT INTO Deposits(AccountNumber, AccountType, PreviousBalance, Amount, ↵
```

```
            NewBalance)
121        VALUES(@accNum, @accType, @pBalance, @amt, @newBal)
122    END
123    -----------------------------------------------------------------------------  ↵
        --------
124    -- 12
125    -----------------------------------------------------------------------------  ↵
        --------
126    CREATE PROCEDURE [dbo].[uspInsertLoginDetails]
127        @username nvarchar(30),
128        @password nvarchar(16)
129    AS
130    BEGIN TRAN
131        INSERT INTO LoginDetails(Username, [Password])
132        VALUES(@username, @password)
133
134        IF @@ERROR <> 0 OR @@ROWCOUNT <> 1
135        BEGIN
136        PRINT 'ERROR! NO INSERT HAS BEEN DONE!'
137        SELECT ERROR_MESSAGE()
138        ROLLBACK TRAN
139        RETURN -1
140        END
141    COMMIT TRAN
142    -----------------------------------------------------------------------------  ↵
        --------
143    -- 13
144    -----------------------------------------------------------------------------  ↵
        --------
145    CREATE PROCEDURE [dbo].[uspInsertTransfer]
146        @senderAccNum int,
147        @accType nvarchar(10),
148        @bal money,
149        @toAccNum int,
150        @toAccType nvarchar(10),
151        @sortCode int,
152        @amt money,
153        @date datetime
154    AS
155    BEGIN
156        INSERT INTO [Transfer](AccountNumber, AccountType, Balance,      ↵
            ToAccountNumber, ToAccountType, SortCode, Amount, [DateTime])
157        VALUES(@senderAccNum, @accType, @bal, @toAccNum, @toAccType, @sortCode,  ↵
            @amt, @date)
158    END
159    -----------------------------------------------------------------------------  ↵
        --------
160    -- 14
161    -----------------------------------------------------------------------------  ↵
```

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162  CREATE PROCEDURE [dbo].[uspInsertWithdraw]
163      @accNum int,
164      @acType nvarchar(10),
165      @bal money,
166      @amt money,
167      @newBal money
168  AS
169  BEGIN
170      INSERT INTO Withdraws(AccountNumber, AccountType, Balance, Amount,
           NewBalance)
171      VALUES(@accNum, @acType,@bal,@amt,@newBal)
172  END
173  --------------------------------------------------------------------------------
        --------
174  -- 15
175  --------------------------------------------------------------------------------
        --------
176  CREATE PROCEDURE [dbo].[uspMyAccountDetails]
177      @accNum int
178  AS
179  BEGIN
180      SELECT * FROM Account WHERE AccountID = @accNum
181  END
182  --------------------------------------------------------------------------------
        --------
183  -- 16
184  --------------------------------------------------------------------------------
        --------
185  CREATE PROCEDURE [dbo].[uspSelectAccNum]
186  AS
187  BEGIN
188      SELECT * FROM Account
189  END
190  --------------------------------------------------------------------------------
        --------
191  -- 17
192  --------------------------------------------------------------------------------
        --------
193  CREATE PROCEDURE [dbo].[uspUpdateAccount]
194      @accNum int,
195      @email nvarchar(30),
196      @phone nvarchar(10),
197      @add1 nvarchar(50),
198      @add2 nvarchar(50),
199      @city nvarchar(50),
200      @cy nvarchar(15)
201  AS
202  BEGIN
```

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203      UPDATE Account SET Email = @email, Phone = @phone, AddressLine1 = @add1,
            AddressLine2 = @add2, City = @city, County = @cy
204      WHERE AccountID = @accNum
205  END
206  --------------------------------------------------------------------------------
       --------
207  -- 18
208  --------------------------------------------------------------------------------
       --------
209  CREATE PROCEDURE [dbo].[uspUpdateBalanceAndOverdraft]
210      @newBal money,
211      @newOverdraft money,
212      @accNum int
213  AS
214  BEGIN
215      UPDATE Account SET InitialBalance = @newBal, OverdraftLimit = @newOverdraft
            WHERE AccountNumber = @accNum
216  END
217  --------------------------------------------------------------------------------
       --------
218  -- 19
219  --------------------------------------------------------------------------------
       --------
220  CREATE PROCEDURE [dbo].[uspValidadeAccountNumber]
221      @accountNumber nvarchar (15)
222  AS
223  BEGIN
224      SELECT COUNT(*) FROM Account WHERE AccountNumber = @accountNumber
225  END
226  --------------------------------------------------------------------------------
       --------
227  -- 20
228  --------------------------------------------------------------------------------
       --------
229  CREATE PROCEDURE [dbo].[uspValidLogin]
230      @user nvarchar(30),
231      @pass nvarchar (16)
232  AS
233  BEGIN
234      SELECT COUNT(*) FROM LoginDetails WHERE [Username] = @user and [Password] =
            @pass
235  END
```