**Checkbook**

**(checking it out-arrays)**

**Program Description**: Write a program that maintains a checkbook register and reports a summary of the current months transactions. Allow a loop to provides the following information of the current months transactions. The first number inputted is the beginning balance of the account. The beginning balance is followed by sets of character transactions. The valid characters are C(check), D(deposit), and S( service charge of $5.00- automatic when they are finished entering the data). The character E should be used to end the loop and should not be processed.

Deposits are automatically added to the account balance. Checks are subtracted from the balance if there is enough money in the account to cover the check, otherwise the check is not processed but the account is charged $10.00 for "insufficient funds". Service charges are automatically subtracted from the account. Any other transaction code is output as an "illegal transaction code" and the balance is unaffected.

In addition to maintaining the running balance of the account, a summary report of the Deposits and Withdrawals (checks, insufficient funds, and service charges) is to be maintained and printed.

**Statements Required**: input, output, loop control, decision making, functions

**Sample Output:**

Welcome to KeyBank.

Please enter this month's transactions:

Balance: 20.05

Transaction: C

Amount: 15.00

Transaction: D

Amount: 100.00

Transaction: C

Amount: 106.00

Transaction: F

Amount: 25.00

Transaction: E

Transaction Amount Balance

Beginning Balance 20.05 20.05

Check 15.00 5.05

Deposit 100.00 105.05

Insufficient Funds 10.00 95.05

Illegal Transaction Code

Service Charge 5.00 90.05

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Account Summary

Number Amount

Beginning Balance 20.05

Plus Deposits 1 100.00

Less Withdrawals 3 30.00

Ending Balance 90.05

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