

SAMPLE RUN 1:

```
Account account1( 20.0 ); // create Account object
SavingsAccount account2( 15.0, .05 ); // create SavingsAccount object
CheckingAccount account3( 45.0, 2.0 ); // create CheckingAccount object
```

```
cout << "\nAttempting to debit $15.00 from account1." << endl;
account1.debit( 15.0 ); // try to debit $15.00 from account1
cout << "\nAttempting to debit $10.00 from account2." << endl;
account2.debit( 10.0 ); // try to debit $10.00 from account2
cout << "\nAttempting to debit $40.00 from account3." << endl;
account3.debit( 40.0 ); // try to debit $40.00 from account3
```

```
cout << "\nCrediting $20.00 to account1." << endl;
account1.credit( 20.0 ); // credit $20.00 to account1
cout << "\nCrediting $30.00 to account2." << endl;
account2.credit( 30.0 ); // credit $30.00 to account2
cout << "\nCrediting $40.00 to account3." << endl;
account3.credit( 40.0 ); // credit $40.00 to account3
```

```
account1 balance: $20.00
account2 balance: $15.00
account3 balance: $45.00
```

Attempting to debit \$15.00 from account1.

Attempting to debit \$10.00 from account2.

Attempting to debit \$40.00 from account3.
\$2.00 transaction fee charged.

```
account1 balance: $5.00
account2 balance: $5.00
account3 balance: $3.00
```

Crediting \$20.00 to account1.

Crediting \$30.00 to account2.

Crediting \$40.00 to account3.
\$2.00 transaction fee charged.

```
account1 balance: $25.00
account2 balance: $35.00
account3 balance: $41.00
```

Adding \$1.75 interest to account2.

```
New account2 balance: $36.75
sh: PAUSE: command not found
Program ended with exit code: 0
```

SAMPLE RUN 2:

```
Account account1( 65.0 ); // create Account object
SavingsAccount account2( 85.0, .07 ); // create SavingsAccount object
CheckingAccount account3( 55.0, 1.5 ); // create CheckingAccount object
```

```
cout << "\nAttempting to debit $45.00 from account1." << endl;
account1.debit( 45.0 ); // try to debit $45.00 from account1
cout << "\nAttempting to debit $90.00 from account2." << endl;
account2.debit( 90.0 ); // try to debit $90.00 from account2
cout << "\nAttempting to debit $35.00 from account3." << endl;
account3.debit( 35.0 ); // try to debit $35.00 from account3
```

```
cout << "\nCrediting $45.00 to account1." << endl;
account1.credit( 45.0 ); // credit $45.00 to account1
cout << "\nCrediting $65.00 to account2." << endl;
account2.credit( 65.0 ); // credit $65.00 to account2
cout << "\nCrediting $80.00 to account3." << endl;
account3.credit( 80.0 ); // credit $80.00 to account3
```

```
account1 balance: $65.00
account2 balance: $85.00
account3 balance: $55.00
```

```
Attempting to debit $45.00 from account1.
```

```
Attempting to debit $90.00 from account2.
Debit amount exceeded account balance.
```

```
Attempting to debit $35.00 from account3.
$1.50 transaction fee charged.
```

```
account1 balance: $20.00
account2 balance: $85.00
account3 balance: $18.50
```

```
Crediting $45.00 to account1.
```

```
Crediting $65.00 to account2.
```

```
Crediting $80.00 to account3.
$1.50 transaction fee charged.
```

```
account1 balance: $65.00
account2 balance: $150.00
account3 balance: $97.00
```

```
Adding $10.50 interest to account2.
```

```
New account2 balance: $160.50
sh: PAUSE: command not found
Program ended with exit code: 0
```

SAMPLE RUN 3:

```
Account account1( 120.0 ); // create Account object
SavingsAccount account2( 45.0, .04 ); // create SavingsAccount object
CheckingAccount account3( 75.0, 1.0 ); // create CheckingAccount object
```

```
cout << "\nAttempting to debit $125.00 from account1." << endl;
account1.debit( 125.0 ); // try to debit $125.00 from account1
cout << "\nAttempting to debit $80.00 from account2." << endl;
account2.debit( 80.0 ); // try to debit $80.00 from account2
cout << "\nAttempting to debit $90.00 from account3." << endl;
account3.debit( 90.0 ); // try to debit $90.00 from account3
```

```
cout << "\nCrediting $25.00 to account1." << endl;
account1.credit( 25.0 ); // credit $25.00 to account1
cout << "\nCrediting $10.00 to account2." << endl;
account2.credit( 10.0 ); // credit $10.00 to account2
cout << "\nCrediting $10.00 to account3." << endl;
account3.credit( 10.0 ); // credit $10.00 to account3
```

```
account1 balance: $120.00
account2 balance: $45.00
account3 balance: $75.00
```

```
Attempting to debit $125.00 from account1.
Debit amount exceeded account balance.
```

```
Attempting to debit $80.00 from account2.
Debit amount exceeded account balance.
```

```
Attempting to debit $90.00 from account3.
Debit amount exceeded account balance.
```

```
account1 balance: $120.00|
account2 balance: $45.00
account3 balance: $75.00
```

```
Crediting $25.00 to account1.
```

```
Crediting $10.00 to account2.
```

```
Crediting $10.00 to account3.
$1.00 transaction fee charged.
```

```
account1 balance: $145.00
account2 balance: $55.00
account3 balance: $84.00
```

```
Adding $2.20 interest to account2.
```

```
New account2 balance: $57.20
sh: PAUSE: command not found
Program ended with exit code: 0
```

SAMPLE RUN 4:

```
Account account1( 240.0 ); // create Account object
SavingsAccount account2( 135.0, .06 ); // create SavingsAccount object
CheckingAccount account3( 292.0, 5.0 ); // create CheckingAccount object
```

```
cout << "\nAttempting to debit $115.00 from account1." << endl;
account1.debit( 115.0 ); // try to debit $115.00 from account1
cout << "\nAttempting to debit $10.00 from account2." << endl;
account2.debit( 10.0 ); // try to debit $10.00 from account2
cout << "\nAttempting to debit $400.00 from account3." << endl;
account3.debit( 400.0 ); // try to debit $400.00 from account3
```

```
cout << "\nCrediting $55.00 to account1." << endl;
account1.credit( 55.0 ); // credit $55.00 to account1
cout << "\nCrediting $60.00 to account2." << endl;
account2.credit( 60.0 ); // credit $60.00 to account2
cout << "\nCrediting $33.00 to account3." << endl;
account3.credit( 33.0 ); // credit $33.00 to account3
```

```
account1 balance: $240.00
account2 balance: $135.00
account3 balance: $292.00
```

```
Attempting to debit $115.00 from account1.
```

```
Attempting to debit $10.00 from account2.
```

```
Attempting to debit $400.00 from account3.
Debit amount exceeded account balance.
```

```
account1 balance: $125.00
account2 balance: $125.00
account3 balance: $292.00
```

```
Crediting $55.00 to account1.
```

```
Crediting $60.00 to account2.
```

```
Crediting $33.00 to account3.
$5.00 transaction fee charged.
```

```
account1 balance: $180.00
account2 balance: $185.00
account3 balance: $320.00
```

```
Adding $11.10 interest to account2.
```

```
New account2 balance: $196.10
sh: PAUSE: command not found
Program ended with exit code: 0
```

SAMPLE RUN 5:

```
Account account1( 32.0 ); // create Account object
SavingsAccount account2( 14.0, .04 ); // create SavingsAccount object
CheckingAccount account3( 19.0, 2.5 ); // create CheckingAccount object
```

```
cout << "\nAttempting to debit $45.00 from account1." << endl;
account1.debit( 45.0 ); // try to debit $45.00 from account1
cout << "\nAttempting to debit $10.00 from account2." << endl;
account2.debit( 10.0 ); // try to debit $10.00 from account2
cout << "\nAttempting to debit $13.00 from account3." << endl;
account3.debit( 13.0 ); // try to debit $13.00 from account3
```

```
cout << "\nCrediting $4.00 to account1." << endl;
account1.credit( 4.0 ); // credit $4.00 to account1
cout << "\nCrediting $9.00 to account2." << endl;
account2.credit( 9.0 ); // credit $9.00 to account2
cout << "\nCrediting $5.00 to account3." << endl;
account3.credit( 5.0 ); // credit $5.00 to account3
```

```
account1 balance: $32.00
account2 balance: $14.00
account3 balance: $19.00
```

```
Attempting to debit $45.00 from account1.
Debit amount exceeded account balance.
```

```
Attempting to debit $10.00 from account2.
```

```
Attempting to debit $13.00 from account3.
$2.50 transaction fee charged.
```

```
account1 balance: $32.00
account2 balance: $4.00
account3 balance: $3.50
```

```
Crediting $4.00 to account1.
```

```
Crediting $9.00 to account2.
```

```
Crediting $5.00 to account3.
$2.50 transaction fee charged.
```

```
account1 balance: $36.00
account2 balance: $13.00
account3 balance: $6.00
```

```
Adding $0.52 interest to account2.
```

```
New account2 balance: $13.52
```

```
sh: PAUSE: command not found
```

```
Program ended with exit code: 0
```