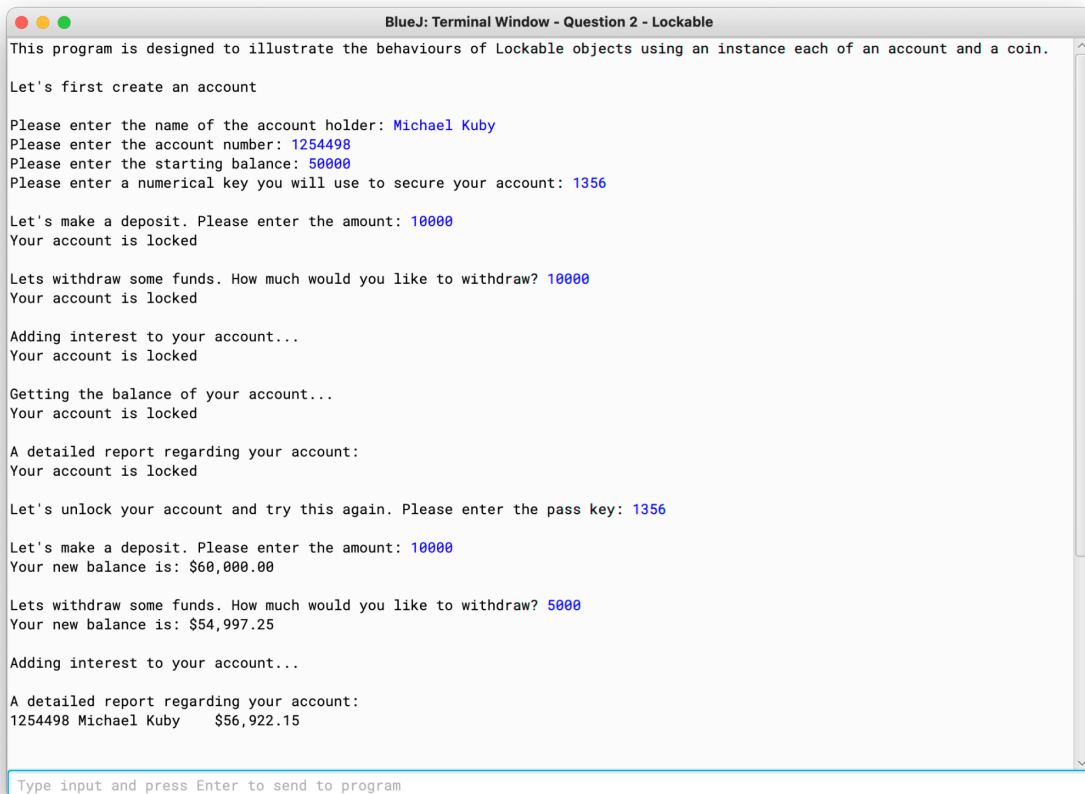# COMP 1231 - Assignment 2 : Question 2 - Test Exhibits

Account Test Exhibits

Account Test using standard values and expected results:


```
BlueJ: Terminal Window - Question 2 - Lockable

This program is designed to illustrate the behaviours of Lockable objects using an instance each of an account and a coin.

Let's first create an account

Please enter the name of the account holder: Michael Kuby
Please enter the account number: 1254498
Please enter the starting balance: 50000
Please enter a numerical key you will use to secure your account: 1356

Let's make a deposit. Please enter the amount: 10000
Your account is locked

Lets withdraw some funds. How much would you like to withdraw? 10000
Your account is locked

Adding interest to your account...
Your account is locked

Getting the balance of your account...
Your account is locked

A detailed report regarding your account:
Your account is locked

Let's unlock your account and try this again. Please enter the pass key: 1356

Let's make a deposit. Please enter the amount: 10000
Your new balance is: $60,000.00

Lets withdraw some funds. How much would you like to withdraw? 5000
Your new balance is: $54,997.25

Adding interest to your account...

A detailed report regarding your account:
1254498 Michael Kuby    $56,922.15
```
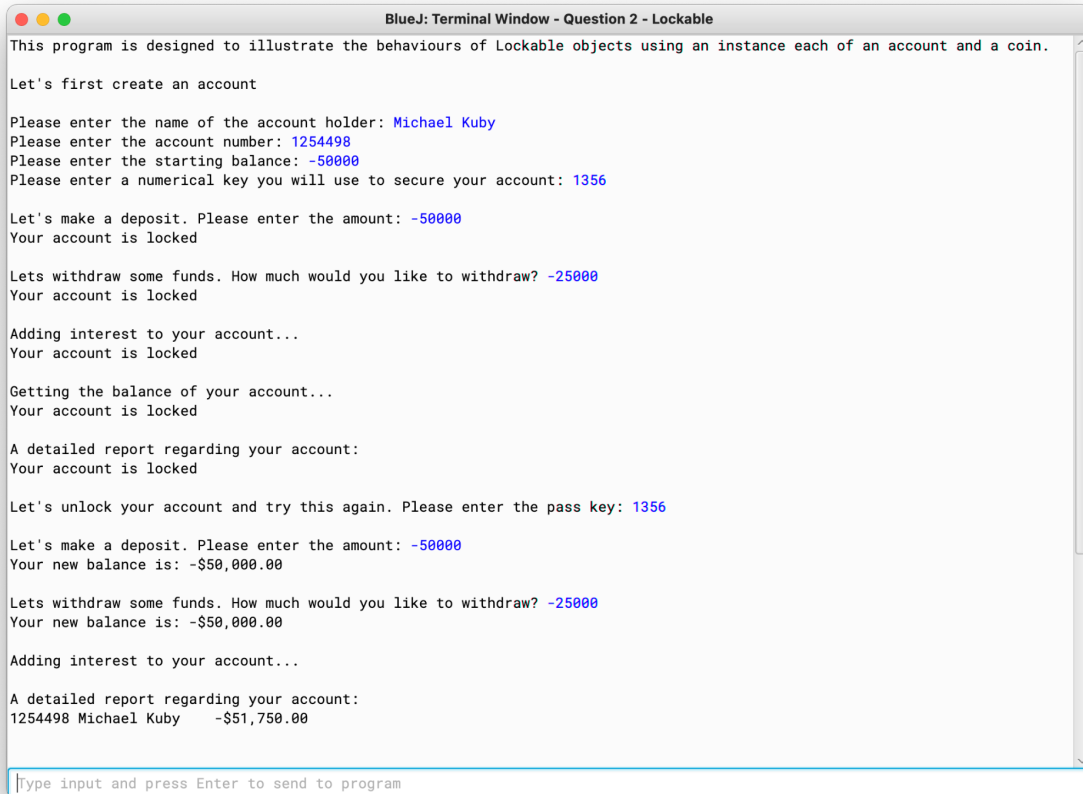
Type input and press Enter to send to program

Account Test using negative values:

```
●●●                    BlueJ: Terminal Window - Question 2 - Lockable
This program is designed to illustrate the behaviours of Lockable objects using an instance each of an account and a coin.

Let's first create an account

Please enter the name of the account holder: Michael Kuby
Please enter the account number: 1254498
Please enter the starting balance: -50000
Please enter a numerical key you will use to secure your account: 1356

Let's make a deposit. Please enter the amount: -50000
Your account is locked

Lets withdraw some funds. How much would you like to withdraw? -25000
Your account is locked

Adding interest to your account...
Your account is locked

Getting the balance of your account...
Your account is locked

A detailed report regarding your account:
Your account is locked

Let's unlock your account and try this again. Please enter the pass key: 1356

Let's make a deposit. Please enter the amount: -50000
Your new balance is: -$50,000.00

Lets withdraw some funds. How much would you like to withdraw? -25000
Your new balance is: -$50,000.00

Adding interest to your account...

A detailed report regarding your account:
1254498 Michael Kuby    -$51,750.00

Type input and press Enter to send to program
```
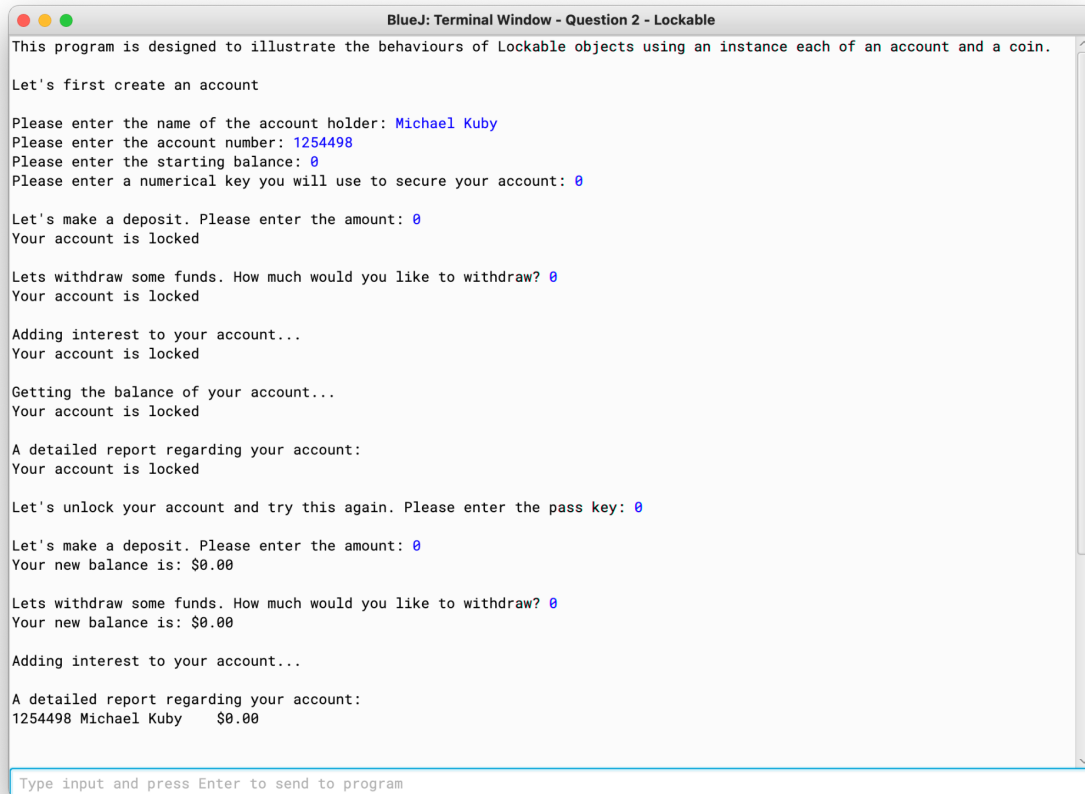
Account Test using boundary values:

```
●  ●  ●                    BlueJ: Terminal Window - Question 2 - Lockable
This program is designed to illustrate the behaviours of Lockable objects using an instance each of an account and a coin.

Let's first create an account

Please enter the name of the account holder: Michael Kuby
Please enter the account number: 1254498
Please enter the starting balance: 0
Please enter a numerical key you will use to secure your account: 0

Let's make a deposit. Please enter the amount: 0
Your account is locked

Lets withdraw some funds. How much would you like to withdraw? 0
Your account is locked

Adding interest to your account...
Your account is locked

Getting the balance of your account...
Your account is locked

A detailed report regarding your account:
Your account is locked

Let's unlock your account and try this again. Please enter the pass key: 0

Let's make a deposit. Please enter the amount: 0
Your new balance is: $0.00

Lets withdraw some funds. How much would you like to withdraw? 0
Your new balance is: $0.00

Adding interest to your account...

A detailed report regarding your account:
1254498 Michael Kuby    $0.00

Type input and press Enter to send to program
```
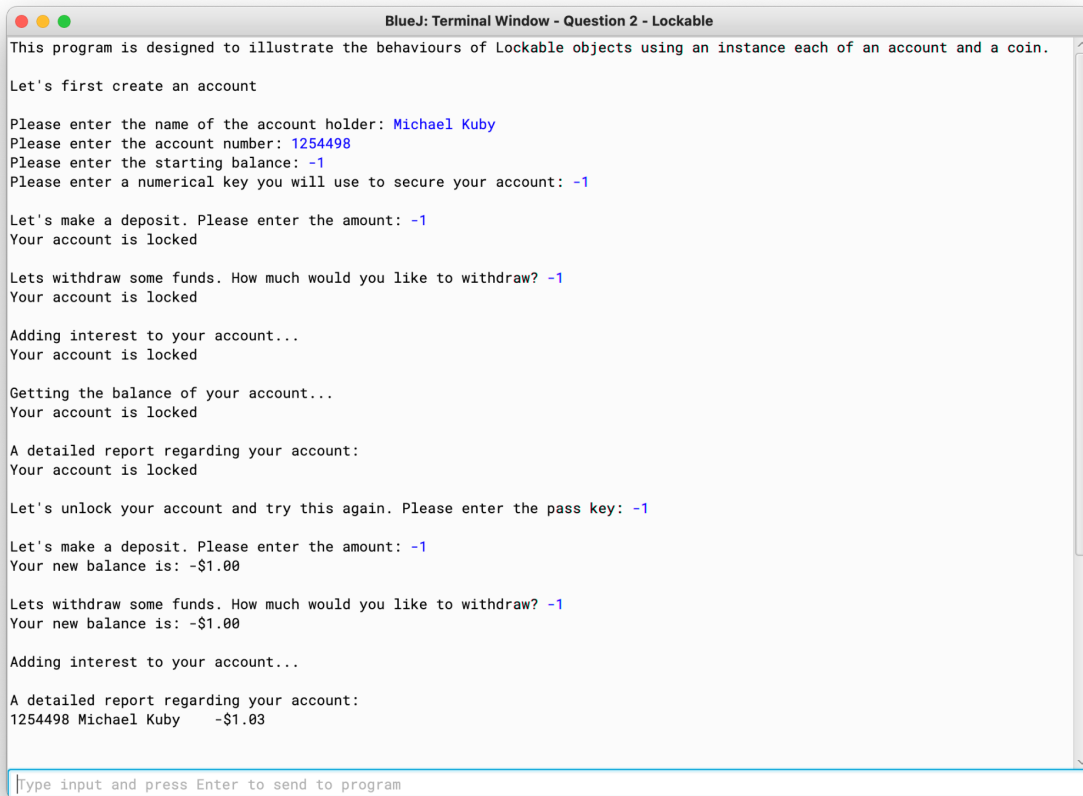
Account Test using boundary values:

```
●●●                    BlueJ: Terminal Window - Question 2 - Lockable
This program is designed to illustrate the behaviours of Lockable objects using an instance each of an account and a coin.

Let's first create an account

Please enter the name of the account holder: Michael Kuby
Please enter the account number: 1254498
Please enter the starting balance: -1
Please enter a numerical key you will use to secure your account: -1

Let's make a deposit. Please enter the amount: -1
Your account is locked

Lets withdraw some funds. How much would you like to withdraw? -1
Your account is locked

Adding interest to your account...
Your account is locked

Getting the balance of your account...
Your account is locked

A detailed report regarding your account:
Your account is locked

Let's unlock your account and try this again. Please enter the pass key: -1

Let's make a deposit. Please enter the amount: -1
Your new balance is: -$1.00

Lets withdraw some funds. How much would you like to withdraw? -1
Your new balance is: -$1.00

Adding interest to your account...

A detailed report regarding your account:
1254498 Michael Kuby     -$1.03
```
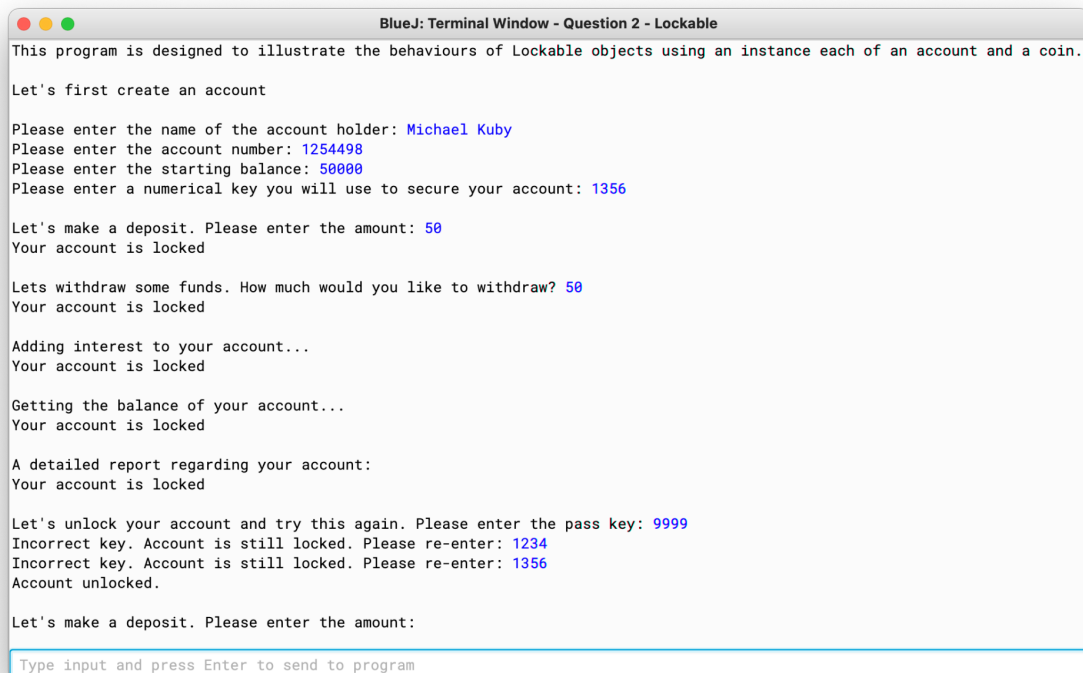
```
Type input and press Enter to send to program
```

Account Test using improper key:

```
●●●                    BlueJ: Terminal Window - Question 2 - Lockable
This program is designed to illustrate the behaviours of Lockable objects using an instance each of an account and a coin.

Let's first create an account

Please enter the name of the account holder: Michael Kuby
Please enter the account number: 1254498
Please enter the starting balance: 50000
Please enter a numerical key you will use to secure your account: 1356

Let's make a deposit. Please enter the amount: 50
Your account is locked

Lets withdraw some funds. How much would you like to withdraw? 50
Your account is locked

Adding interest to your account...
Your account is locked

Getting the balance of your account...
Your account is locked

A detailed report regarding your account:
Your account is locked

Let's unlock your account and try this again. Please enter the pass key: 9999
Incorrect key. Account is still locked. Please re-enter: 1234
Incorrect key. Account is still locked. Please re-enter: 1356
Account unlocked.

Let's make a deposit. Please enter the amount:

Type input and press Enter to send to program
```
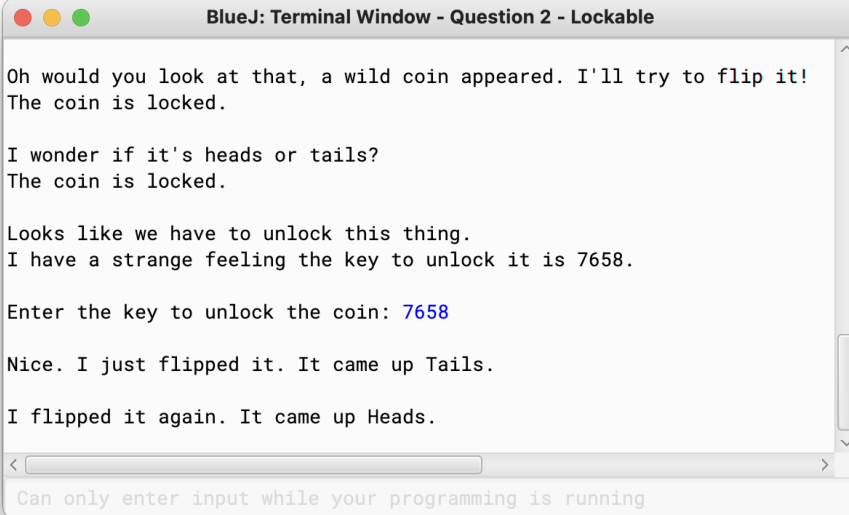
Coin Test Exhibits:

Proper input:

```
BlueJ: Terminal Window - Question 2 - Lockable

Oh would you look at that, a wild coin appeared. I'll try to flip it!
The coin is locked.

I wonder if it's heads or tails?
The coin is locked.

Looks like we have to unlock this thing.
I have a strange feeling the key to unlock it is 7658.

Enter the key to unlock the coin: 7658

Nice. I just flipped it. It came up Tails.

I flipped it again. It came up Heads.

Can only enter input while your programming is running
```
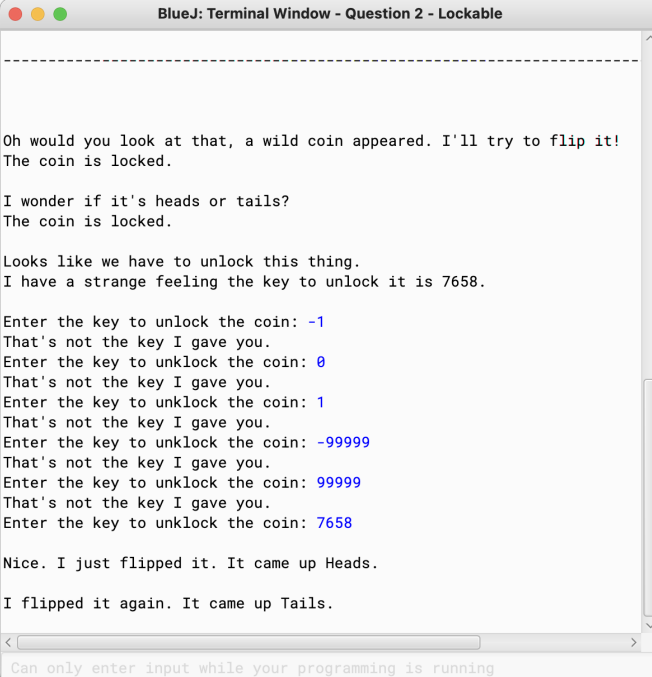
Various tests of improper input:

```
BlueJ: Terminal Window - Question 2 - Lockable

--------------------------------------------------------


Oh would you look at that, a wild coin appeared. I'll try to flip it!
The coin is locked.

I wonder if it's heads or tails?
The coin is locked.

Looks like we have to unlock this thing.
I have a strange feeling the key to unlock it is 7658.

Enter the key to unlock the coin: -1
That's not the key I gave you.
Enter the key to unklock the coin: 0
That's not the key I gave you.
Enter the key to unklock the coin: 1
That's not the key I gave you.
Enter the key to unklock the coin: -99999
That's not the key I gave you.
Enter the key to unklock the coin: 99999
That's not the key I gave you.
Enter the key to unklock the coin: 7658

Nice. I just flipped it. It came up Heads.

I flipped it again. It came up Tails.

Can only enter input while your programming is running
```