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AOIT 1

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Assignment 5

```cpp
// assignment_5.cpp : Defines the entry point for the console application.
//

#include "stdafx.h"
#include <iostream>
using namespace std;


int main()
{

    int vehicleClass;

    double toll;

    cout << "Please enter vehicle class:  ";

    cin >> vehicleClass;

    switch (vehicleClass)
    {
    case 1:
        cout << "Passenger car. \n";
        toll = 0.50;
        break;
    case 2:
        cout << "Bus. \n";
        toll = 1.50;
        break;
    case 3:
        cout << "truck. \n";
        toll = 2.00;
        break;
    default:
        cout << "unknown vehicle class! \n";
    }

    system("pause");
    return 0;
}
```
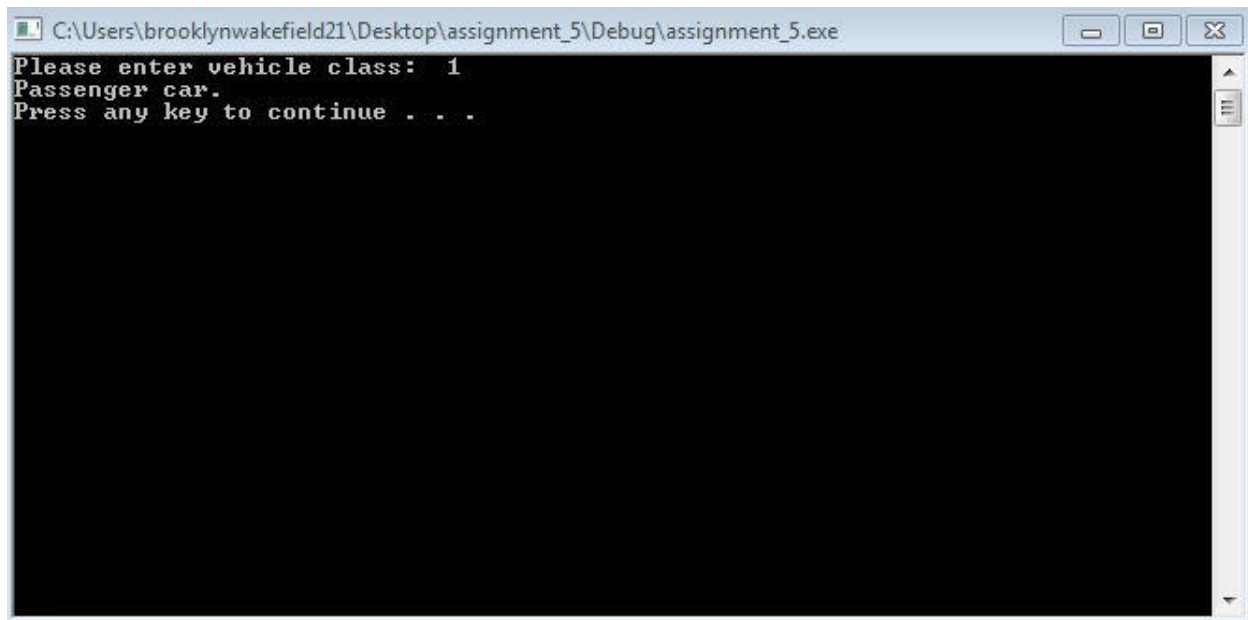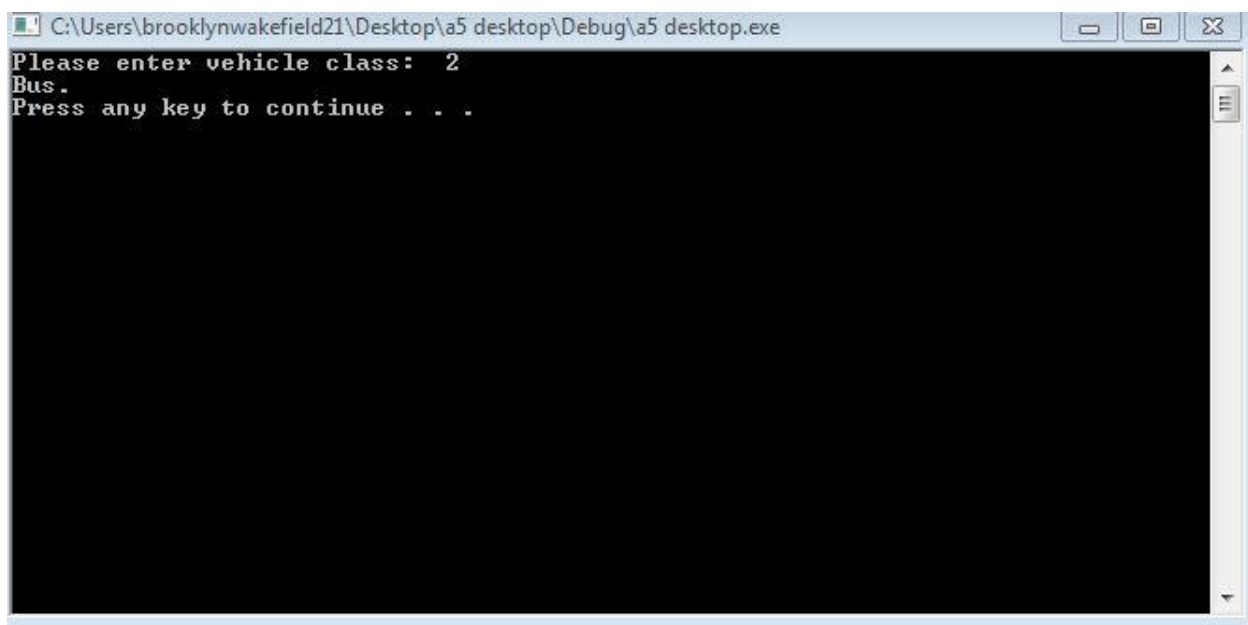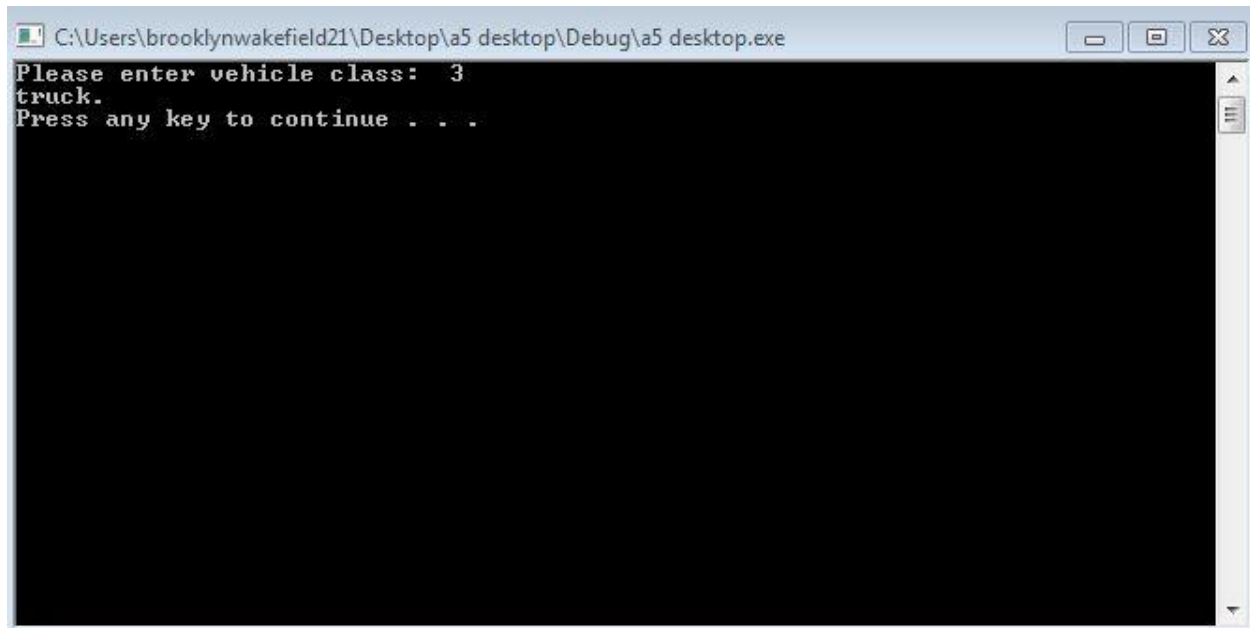
C:\Users\brooklynwakefield21\Desktop\assignment_5\Debug\assignment_5.exe

```
Please enter vehicle class:  1
Passenger car.
Press any key to continue . . .
```
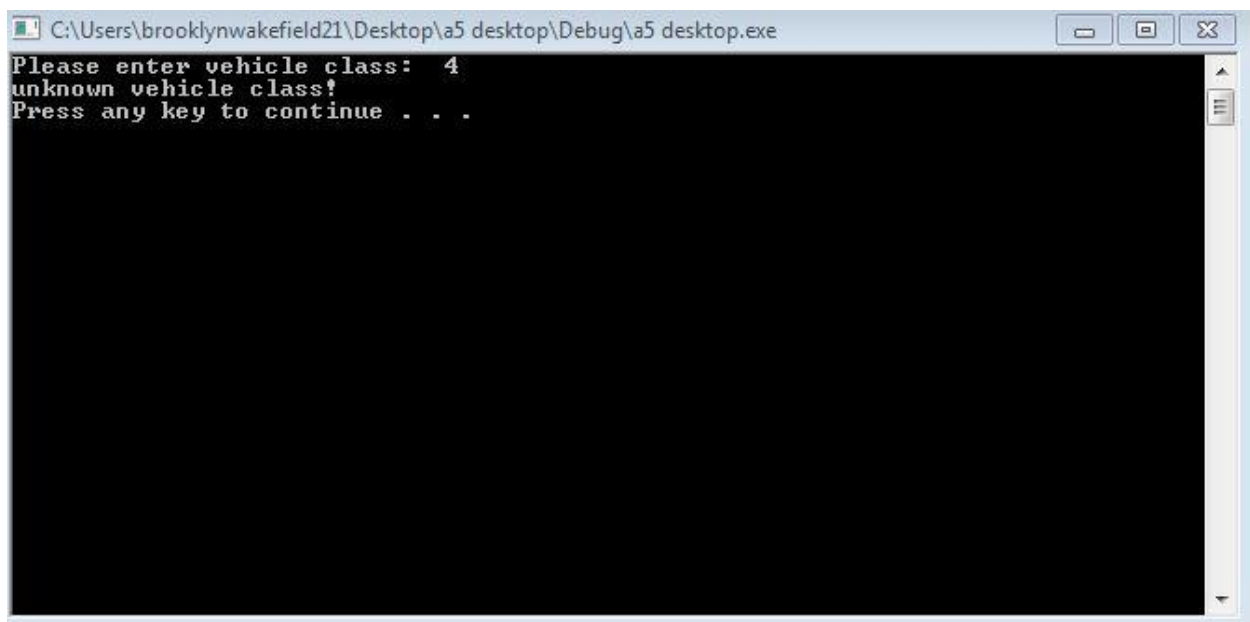
C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:  2
Bus.
Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:  3
truck.
Press any key to continue . . .
```


C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:  4
unknown vehicle class!
Press any key to continue . . .
```

5a:

```cpp
// assignment_5.cpp : Defines the entry point for the console application.
//

#include "stdafx.h"
#include <iostream>
using namespace std;


int main()
{

        int vehicleClass;

        double toll;

        cout << "Please enter vehicle class:  ";

        cin >> vehicleClass;

        switch (vehicleClass)
        {
        case 1:
                cout << "Passenger car. \n";
                toll = 0.50;
                break;
        case 2:
                cout << "Bus. \n";
                toll = 1.50;
                break;
        case 3:
                cout << "truck. \n";
                toll = 2.00;
                break;
        default:
                cout << "unknown vehicle class! \n";
                toll = 0;
        }
        //results displayed using 2 decimal places
        cout.setf(ios::fixed);
        cout.setf(ios::showpoint);
        cout.precision(2);

        cout << "Your toll is: $" << toll << "\n\n\n\n\n";

        system("pause");
        return 0;
}
```
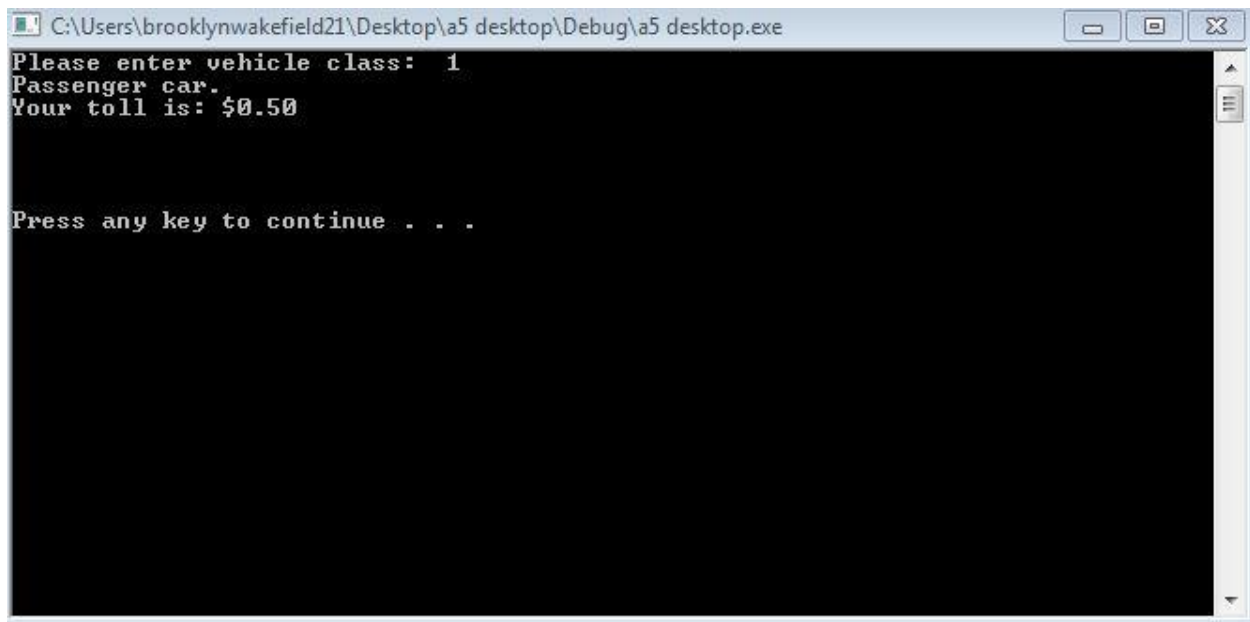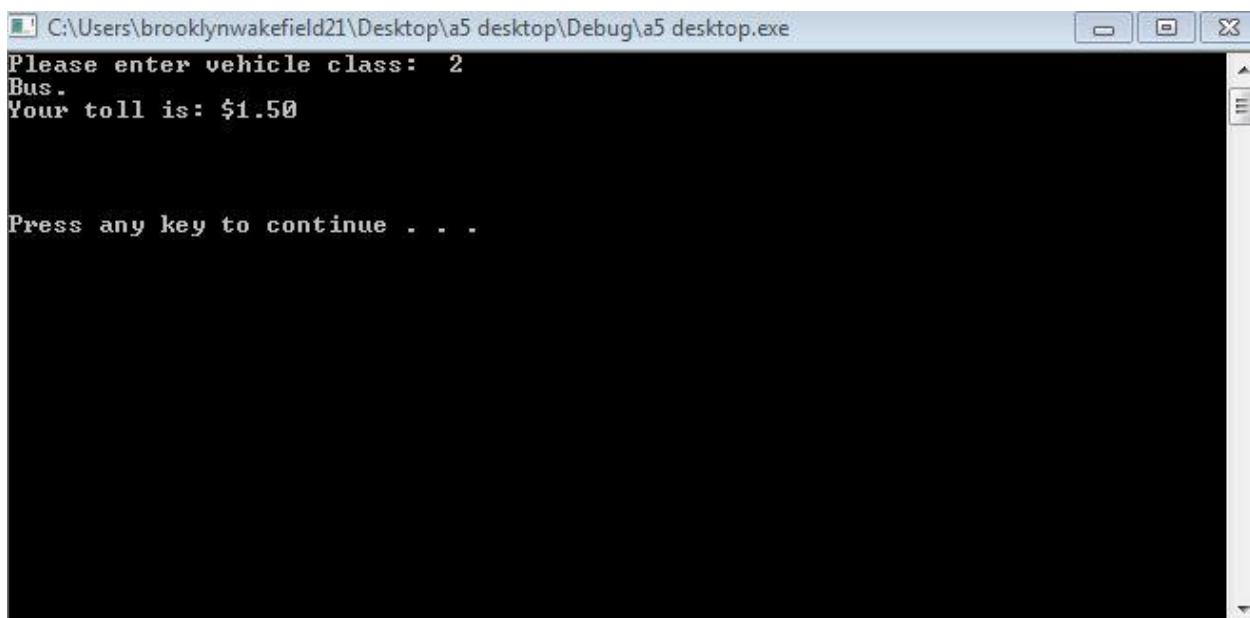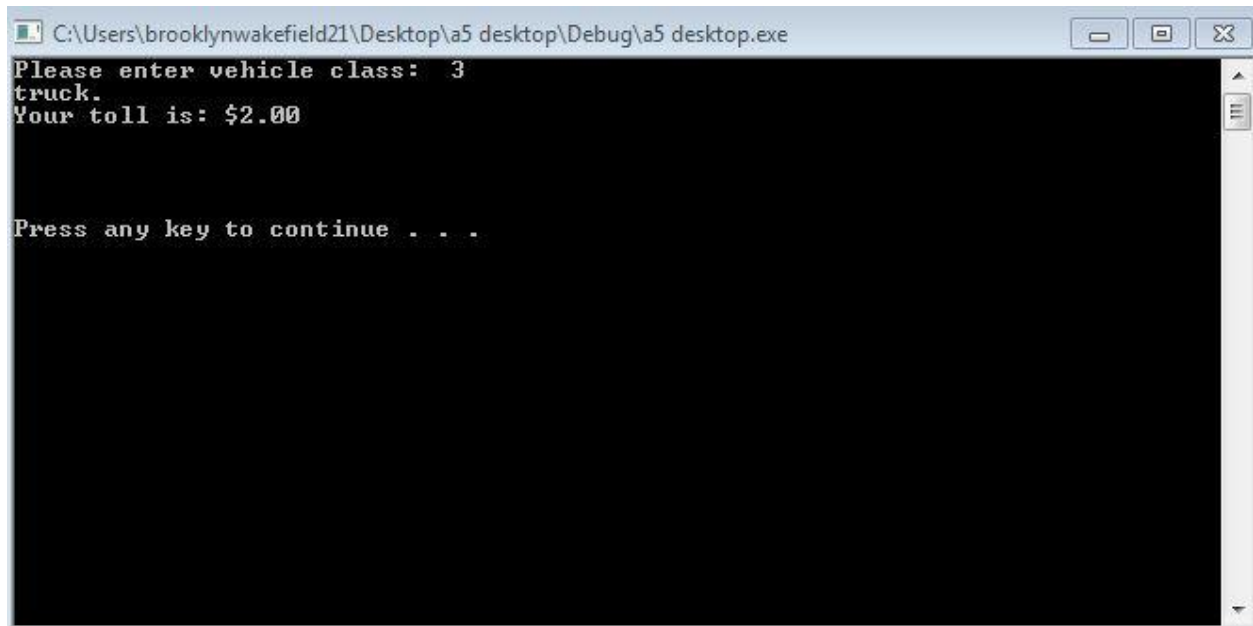
C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:  1
Passenger car.
Your toll is: $0.50



Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

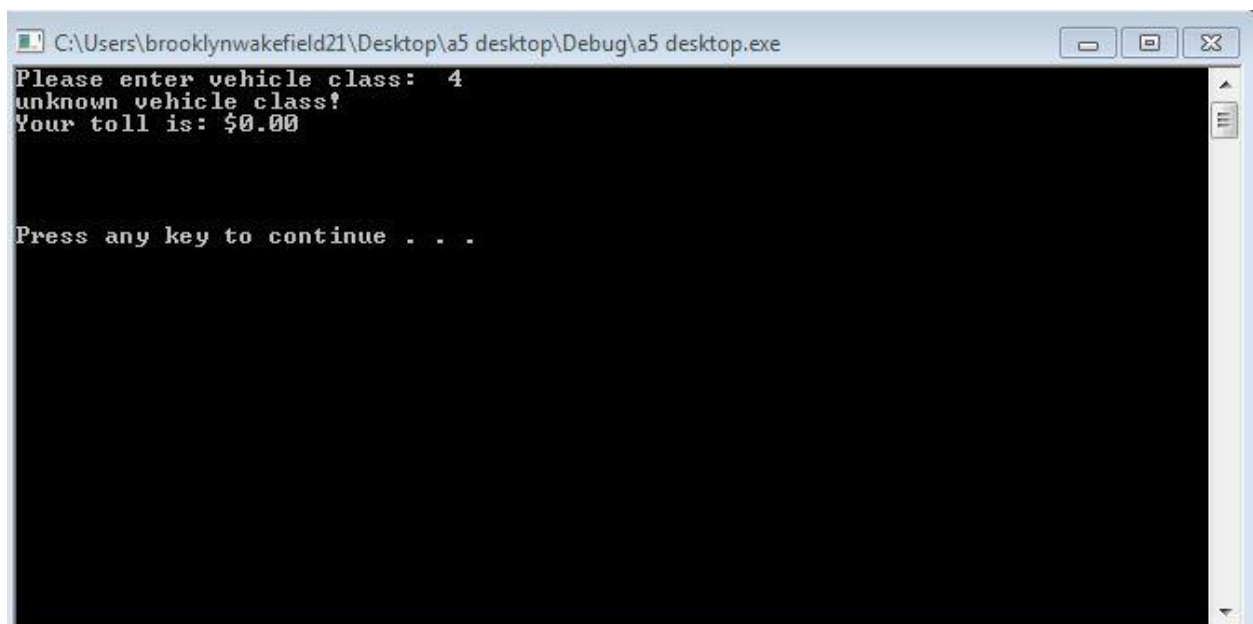```
Please enter vehicle class: 2
Bus.
Your toll is: $1.50

Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:   3
truck.
Your toll is: $2.00


Press any key to continue . . .
```


C:\Users\brooklynwakefield21\Desktop\a5 desktop\Debug\a5 desktop.exe

```
Please enter vehicle class:   4
unknown vehicle class!
Your toll is: $0.00


Press any key to continue . . .
```

5b:

```cpp
// assignment_5.cpp : Defines the entry point for the console application.
//

#include "stdafx.h"
#include <iostream>
using namespace std;


int main()
{

    int color;

        double value;

    cout << "Please guess a number 1-10 for a chance to win a free color:   ";

    cin >> color;

    switch (color)
    {
    case 5:
            cout << "congratulations you recieved blue \n";
            value = 0.50;
            break;
    case 8:
            cout << "congratulations you recieved red \n";
            value = 1.50;
            break;
    case 2:
            cout << "congratulations you recieved yellow \n";
            value = 2.00;
            break;
    default:
            cout << "better luck next time \n";
            value = 0;
    }
            //results displayed using 2 decimal places
    cout.setf(ios::fixed);
    cout.setf(ios::showpoint);
    cout.precision(2);

    cout << "The value is: $" << value << "\n\n\n\n\n";

    system("pause");
    return 0;
}
```
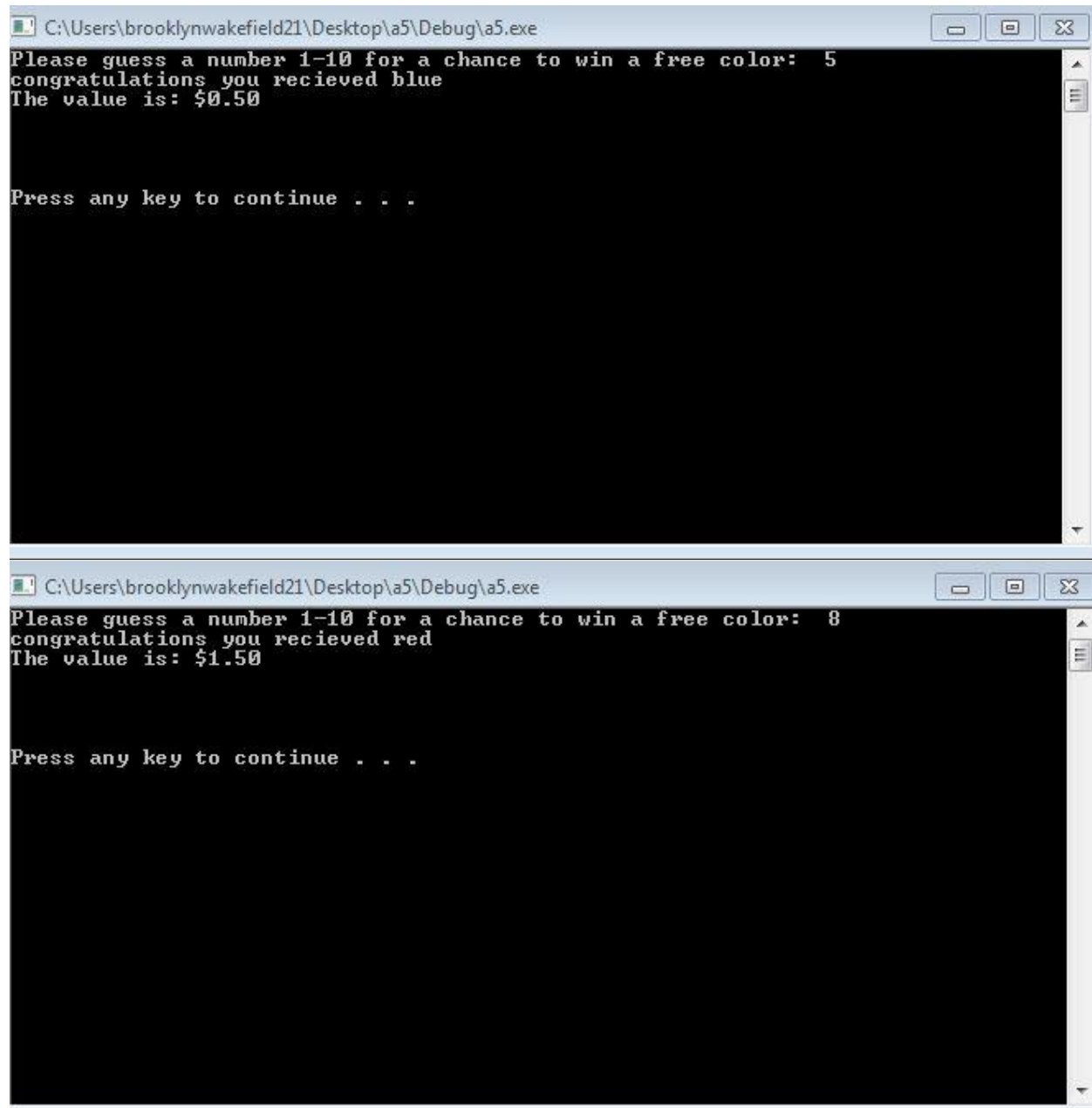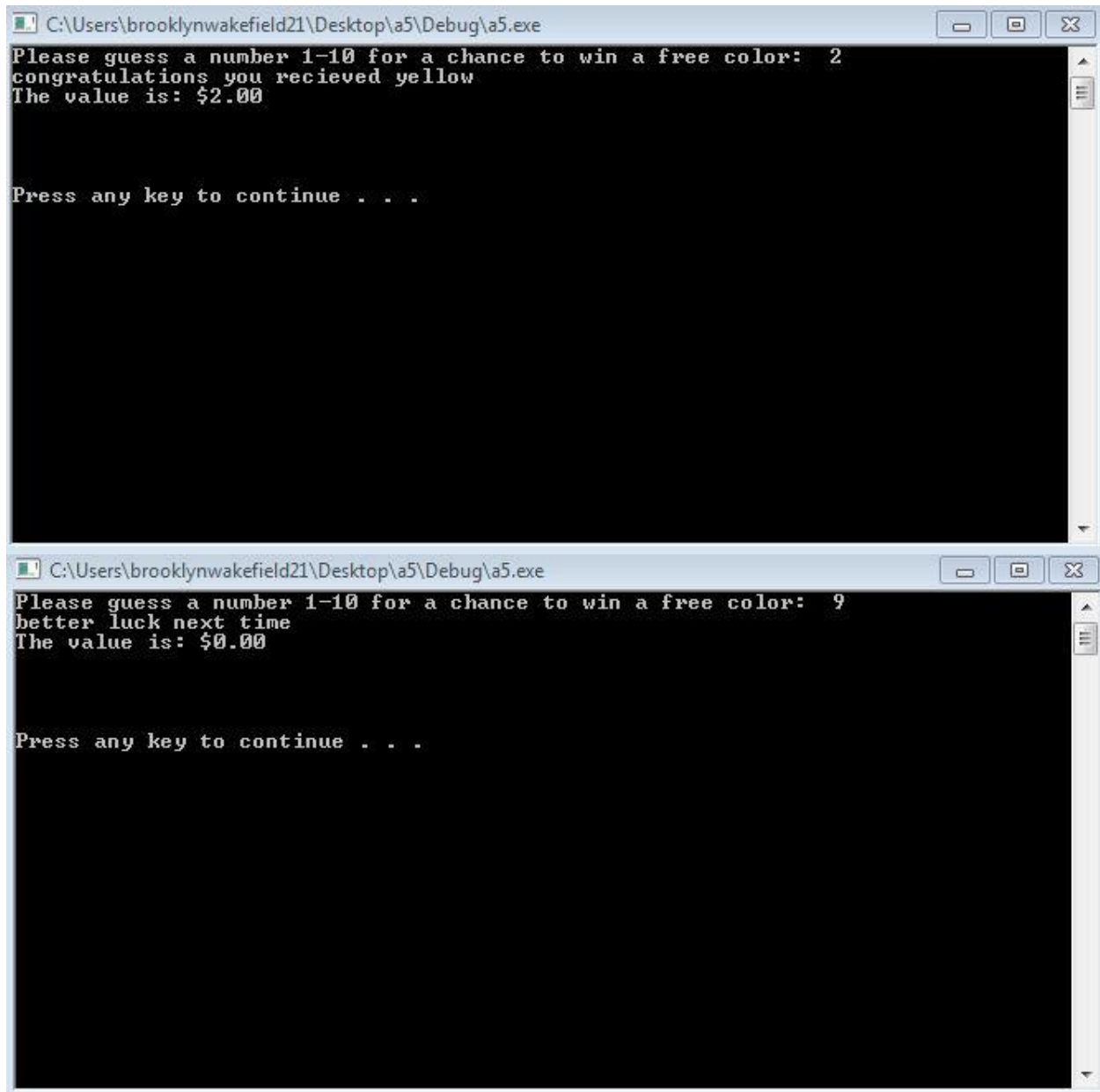
C:\Users\brooklynwakefield21\Desktop\a5\Debug\a5.exe

```
Please guess a number 1-10 for a chance to win a free color:  5
congratulations you recieved blue
The value is: $0.50



Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5\Debug\a5.exe

```
Please guess a number 1-10 for a chance to win a free color:  8
congratulations you recieved red
The value is: $1.50



Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5\Debug\a5.exe

```
Please guess a number 1-10 for a chance to win a free color:   2
congratulations you recieved yellow
The value is: $2.00


Press any key to continue . . .
```

C:\Users\brooklynwakefield21\Desktop\a5\Debug\a5.exe

```
Please guess a number 1-10 for a chance to win a free color:   9
better luck next time
The value is: $0.00


Press any key to continue . . .
```