//Data Abstraction Example:

//Any C++ program where you implement a class with public and private members is an example of data abstraction.

//Consider the following example:

#include <iostream>

using namespace std;

class Adder //name of class

{

private:

// hidden data from outside world

int total;

public:

// constructor

Adder(int i = 0)

{

total = i;

}

// interface to outside world

void addNum(int number)

{

cout<<number<<endl;

total+= number;

}

// interface to outside world

int getTotal()

{

return total;

};

};

int main( )

{

Adder a; //object of class

a.addNum(10); //calling

a.addNum(20);

a.addNum(30);

cout << "Total " << a.getTotal() <<endl;

getchar();

getchar();

return 0;

}