```
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//                                  Computer Science II
//                                  Date: 9/2/99
//                                  CIS-112
//                                  problem # 1
#include <iostream.h>
#include <fstream.h>
#include <conio.h>
const int size=5;
class array1
        {
                public:
                        array1() {}
                        void fillit(int arr[],int size);
                        void printit(int arr[],int size);
                        void min (int arr[],int size);
                private:
        };
```

PRE: Integer variables arr[], and size, are passed into the function.

POST: The program calls the file, “dm.dat” to fill it with data.

```
void array1::fillit(int arr[],int size)
        {
                ifstream infile("c:\\bc45\\bin\\pmshop\\cpp\\top.dat", ios::in);
                int i;
                i=0;
                cout << " Diego Mina\n\n";
                cout << " The received values: \n";
                while(i < size)
                        {
                                infile >> arr[i];
                                i=i++;
                        }
```

```
	}
```

PRE: Integer variables arr[], and size are passed into the function.

POST: Checks for the minimum value and prints it out.

```
void array1::min(int arr[],int size)
	{
		int i=0;
		int m;
		m=arr[0];
		while(i < size)
			{
				if(arr[i] < m)
				 {
					m = arr[i];
				 }
				i=i+1;
			}
		cout << " \n\n The minimum value is: " << m;
	}
```

PRE: Integer array variables, “arr[]” and integer “size”.

POST: Prints out the numbers held in the .dat file, onto the screen.

```
void array1::printit(int arr[],int size)
	{
		int i;
		i=0;
		cout << "\n The numbers are: ";
		while(i < size)
			{
				cout << arr[i] << " ";
```

```
                        i=i++;
                }
        getch();
}
```

PRE: Calls the functions inside the program.

POST: The functions are run and results in the output.

```
void main()
        {
                const int size=5;
                int arr[5];
                array1 a;
                a.fillit(arr,size);
                a.printit(arr,size);
    a.min(arr,size);
        }
```

***** OUTPUT *****

```
Diego Mina

The received values:

The numbers are: 90 23 -36 47 53

The minimum value is: -36
```