

```

//                                Milos Topic
//                                09/13/99
//                                CIS-112  problem #11
//                                Computer Science II

#include
#include
#include
class array1
{
    public:
        array1() {}
        void title();
        void fillit(int arr[],int size);
        void swap(int &a,int &b);
        void printit(int arr[],int size);
        void printit1(int arr[],int size);
    private:
};

void array1::fillit(int arr[],int size)
{
    ifstream infile("c:\\bc45\\bin\\pmsshop\\cpp\\top.dat", ios::in);
    int i = 0;
    while(i < size)
    {
        infile >> arr[i];
        i=i++;
    }
}

void array1::title()
{
    cout << "\n\n Milos Topic                09/13/99";
    cout << "\n\n Problem #11";
    cout << "\n\n ***SWAP***";
    cout << "\n";
}

void array1::swap(int &a,int &b)
{

```

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        int hold = 0;
        hold = a;
        a = b;
        b = hold;
    }
void array1::printit(int arr[],int size)
{
    int z=0;
    cout << "\n The numbers are: ";
    while(z < size)
    {
        cout << arr[z] << " ";
        z=z++;
    }
    getch();
}
void array1::printit1(int arr[],int size)
{
    cout << "\n\n The new order of the numbers is: ";
    int z = 0;
    while(z < size)
    {
        cout << arr[z] << " ";
        z = z++;
    }
}
void main()
{
    const int size=10;
    int arr[10];
    array1 a;
    a.fillit(arr,size);
    a.title();
    a.printit(arr,size);
    a.swap(arr[0],arr[9]);
    a.printit1(arr,size);
}

```

***** OUTPUT *****

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Problem #11

SWAP

The numbers are: 90 23 -36 47 53 5 45 65 78 89

The new order of the numbers is: 89 23 -36 47 53 5 45 65 78 90