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//                                Milos Topic
//                                10/04/99
//                                CIS - 112 Problem #9
//                                COMPUTER SCIENCE II
//
#include
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class index
{
    public:
        index() {}
        void title();
        void fillit(int array[], int size);
        void printit(int array[], int size);
        int search(int array[],int size,int num);
        int linear(int array[],int size,int num);
    private:
};
void index::title()
{
    cout << "\n\n Milos Topic                10/4/99";
    cout << "\n\n ***LINERAR SEARCH***\n\n";
}
void index::fillit(int array[],int size)
{
    ifstream infile("c:\\bc45\\bin\\pmshop\\cpp\\top.dat",ios::in);
    int i;
    i=0;
    while(i < size)
    {
        infile >> array[i];
        i= i++;
    }
}
void index::printit(int array[], int size)
{

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        int i;
        i=0;
        cout << " The numbers are: ";
        while(i < size)
        {
                cout << array[i]<< " ";
                i=i++;
        }
}

int index::search(int array[],int size,int num)
{
        int key = 4;
        num = key;
        int addr;
        cout << "\n\n Enter the number you want to search: ";
        cin >> num;
        addr = linear(array,size,num);
        if (addr == -1)
        {
                cout << "\n The number " << num <<
                        " was not found in the list !";
        }
else
        {
                cout << "\n The number " << array[addr]
                        << " was found in address " << addr;
        }
}

int index::linear(int array[],int size,int num)
{
        for(int i=0;i

```