```cpp
#include <iostream>

#include "randomfile.h"

using namespace std;

void writeFile(string filename){
    RandomFile file(filename);
    Record record;
    for(int i=0;i<4;i++){
        record.setData();
        file.write(record);
    }
}
void readFile(string filename)
{
    RandomFile file(filename);
    cout<<"-------- show data --- \n";
    file.scanAll();
    cout<<"-------- show sorted data --- \n";
    file.scanAllByIndex();
    file.searchByKey();
}
int main(){

    writeFile("data.dat");
    readFile("data.dat");
}
```