

```

#include <iostream.h>
#include <conio.h>
const int N = 10;
int Search(int List[], int l, int r, int k){
    int m;
    if (l > r) return -1;
    else{
        m = (l+r)/2;
        cout << l << "\t" << r << "\t" << m << "\t" ;
        if(k==List[m]){
            cout << k << " = " << List[m] << endl;
            return m;
        }
        else if (k < List[m]){
            cout << k << " < " << List[m] << endl;
            return Search(List,l,m-1,k);
        }
        else{
            cout << k << " > " << List[m] << endl;
            return Search(List,m+1,r,k);
        }
    }
}

void main(){
    int A[N]= {10,13,17,18,25,32,45,67,86,93};
    int k= 66;
    cout << "l \t r \t m \t result \n";
    cout << "===== \n";
    int r = Search(A,0,N-1,k);
    if (r == -1)
        cout<< "\n Not Found";
    else
        cout<< "\n Found at: " << r;
    getch();
}

```