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BINARY SEARCH IN AN ARRAY DATED 09-08-2012
PROGRAM-2
#include<iostream.h>
#include<conio.h>
void main()
  clrscr();
  int a[100], num, item, beg=0;
  cout<<"enter the number of elements in an array"<<endl;
  cin>>num;
  cout<<"enter the elements of an array in sorted order"<<endl;
  for(int i=0;i<num;i++)
  cin>>a[i];
  cout<<"enter the element to search"<<endl;
  cin>>item;
  int last=num-1;
  i=0;
  while(beg<=last)
       int mid=(beg+last)/2;
       if(a[mid]==item)
         cout<<"element is found at "<<mid+1<<endl;
         break;
       else if(a[mid]<item)
          beg=mid+1;
       else
          last=mid-1;
   }
   if(beg>last)
       cout<<"element is not found";
 getch();
      the number of elements in an array
 enter the elements of an array in sorted order
 enter the element to search
 element is found at 4
```

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