```c
#include<stdio.h>
int binarySearch(int array[],int low,int high,int dataSearch)
{
  int mid;
  while(low<=high)
  {
    mid=(low+high)/2;
    if(array[mid]==dataSearch)
    {
      return(mid);
    }
    else
    {
    if(array[mid]<dataSearch)
    {
      low=mid+1;
    }
    else
    {
      high=mid-1;
    }
    }
  }
return(-1);
}

int main()
{
  int array[5]={11,22,33,44,55};
  int low,high,search,returnData;
  low=0,high=4;
  printf("\n enter data to search:=");
  scanf("%d",&search);
  returnData=binarySearch(array,low,high,search);
  printf("\n the dataSearch %d    was found at index %d \n",search,returnData);

}
```