## PALAK SHARMA

```
73
#include<stdio.h>
#include<conio.h>
void main()
int a[20], i, n, key, low, high, mid;
clrscr();
printf("Enter the array elements in ascending order");
for(i = 0; i < n; i++)
 scanf("%d", &a[i]);
printf("Enter the key element\n");
scanf("%d", &key);
low = 0;
high = n - 1;
while(high >= low)
 mid = (low + high) / 2;
 if(key == a[mid])
 break;
 else
 if(key > a[mid])
 low = mid + 1;
 else
 high = mid - 1;
 }
if(key == a[mid])
 printf("The key element is found at location %d", mid + 1);
 printf("the key element is not found");
getch();
}
```

```
Enter the size of the array 7
Enter the array elements in ascending order 23 45 68 90 100 789
Enter the key element 789
The key Element is found at location 6
```

## **OUTPUT:**