

/*array searching for multiple occurrence of same element*/

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    int key,n,i,j=0,count=0,k;
```

```
    printf("enter the value of n\n");
```

```
    scanf("%d",&n);
```

```
    int a[n],b[k];
```

```
    printf("enter the values of array\n");
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        scanf("%d",&a[i]);
```

```
    }
```

```
    printf("enter the value of key\n");
```

```
    scanf("%d",&key);
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        if(a[i]==key)
```

```
        {
```

```
            b[j]=i;
```

```
            j++;
```

```
            count++;
```

```
        }
```

```
    }
```

```
    if(count>0)
```

```
    {
```

```
        printf("%d found at location:\n",key);
```

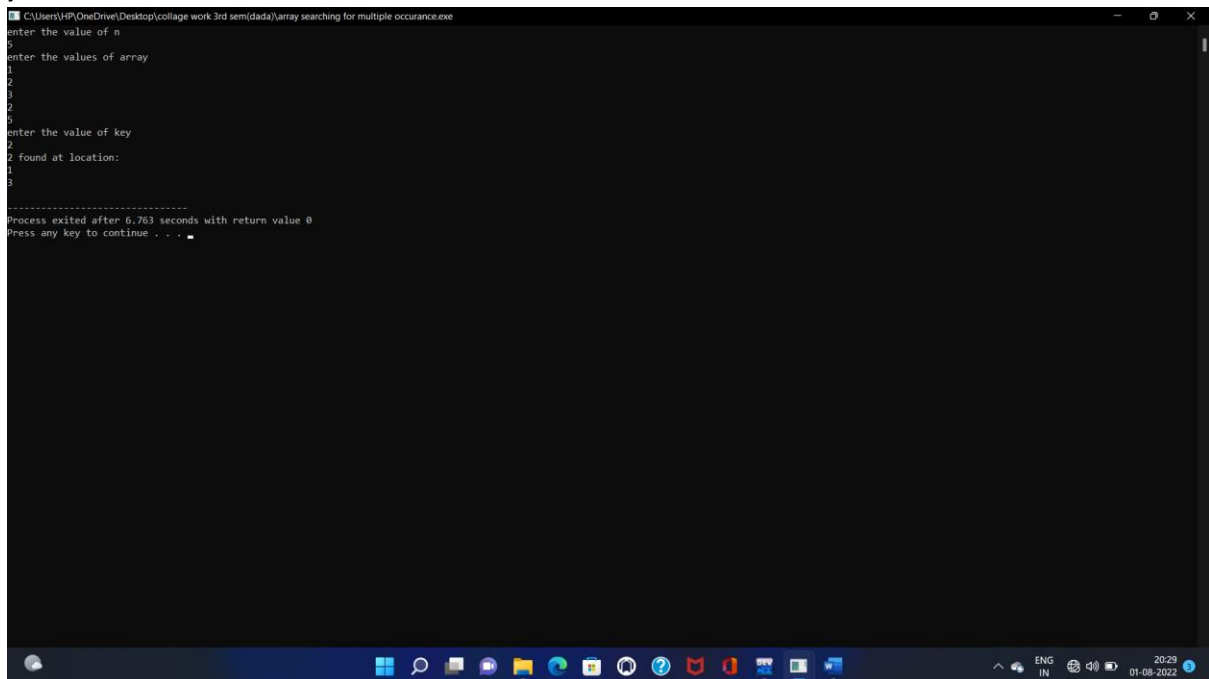
```
        for(j=0;j<count;j++)
```

```
        {
```

```
            printf("%d\n",b[j]);
```

```
        }
```

```
    }  
    else  
    {  
        printf("key don not found\n");  
    }  
    return 0;  
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Desktop\collage work 3rd sem(dada)\array searching for multiple occurance.exe". The program prompts the user to enter the value of n (5), the values of the array (1, 2, 3, 2, 5), and the value of the key (2). It then displays the output: "2 found at location:" followed by the indices 1, 2, and 3. At the bottom, it shows the process exit message: "Process exited after 6.763 seconds with return value 0" and "Press any key to continue . . .". The Windows taskbar at the bottom shows the date and time as 20:29 on 01-08-2022.

```
C:\Users\HP\OneDrive\Desktop\collage work 3rd sem(dada)\array searching for multiple occurance.exe  
enter the value of n  
5  
enter the values of array  
1  
2  
3  
2  
5  
enter the value of key  
2  
2 found at location:  
1  
2  
3  
-----  
Process exited after 6.763 seconds with return value 0  
Press any key to continue . . .
```