

```
/*array deletion*/
```

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

```
int main()
```

```
{
```

```
    int n,i,location;
```

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

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

```
    int a[n];
```

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

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

```
    {
```

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

```
    }
```

```
    printf("your entered array elements are\n");
```

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

```
    {
```

```
        printf("%d\n",a[i]);
```

```
    }
```

```
    printf("enter the location of new element to be deleted\n");
```

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

```
    if(location>=n+1)
```

```
    {
```

```
        printf("deletion is not possible\n");
```

```
    }
```

```
    else
```

```
    {
```

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

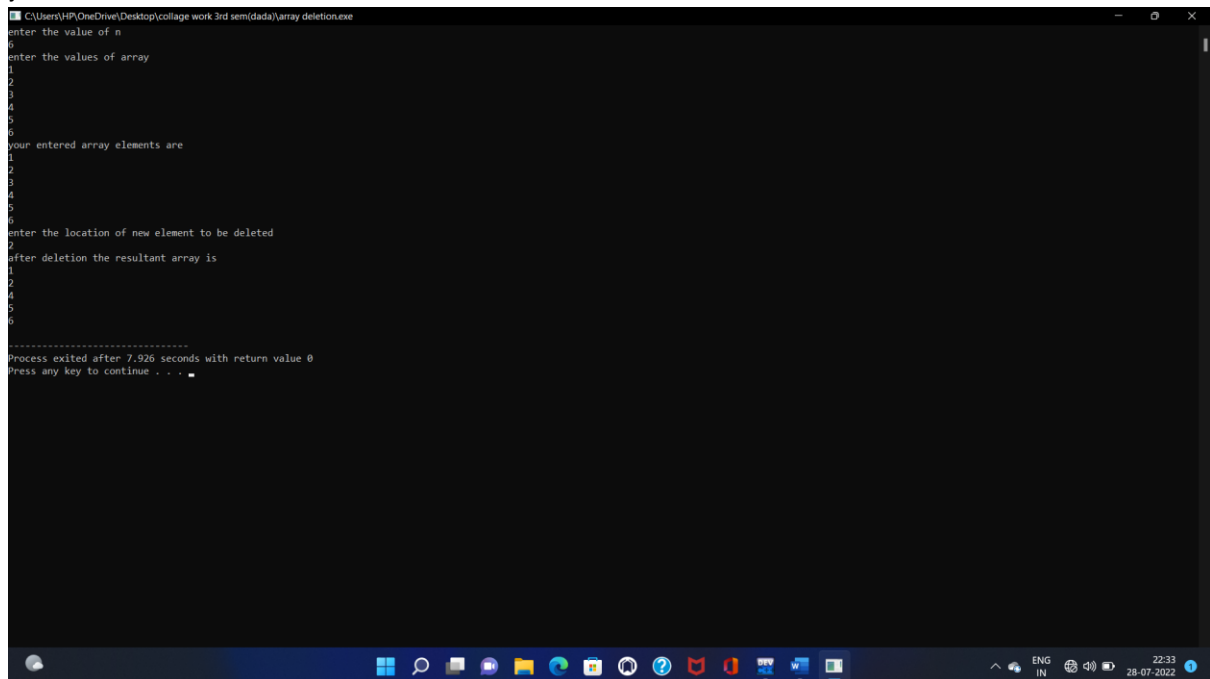
```
        {
```

```
            a[i]=a[i+1];
```

```
        }
```

```
        printf("after deletion the resultant array is\n");
```

```
        for(i=0;i<n-1;i++)
        {
            printf("%d\n",a[i]);
        }
    }
    return 0;
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Desktop\collage work 3rd sem(dada)\array deletion.exe". The program prompts the user to "enter the value of n", where '6' is entered. It then asks to "enter the values of array", with inputs 1, 2, 3, 4, 5, and 6. The program displays "your entered array elements are" followed by the same sequence of numbers. Next, it prompts for "enter the location of new element to be deleted", where '2' is entered. It then shows "after deletion the resultant array is" followed by 1, 2, 4, 5, and 6. The program concludes with "Process exited after 7.926 seconds with return value 0" and "Press any key to continue . . .". The Windows taskbar at the bottom shows the time as 22:33 on 28-07-2022.

```
C:\Users\HP\OneDrive\Desktop\collage work 3rd sem(dada)\array deletion.exe
enter the value of n
6
enter the values of array
1
2
3
4
5
6
your entered array elements are
1
2
3
4
5
6
enter the location of new element to be deleted
2
after deletion the resultant array is
1
2
4
5
6
.....
Process exited after 7.926 seconds with return value 0
Press any key to continue . . .
```