

`/*array deletion by location*/`

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

```
void deletion(int a1[],int n);
```

```
int main()
```

```
{
```

```
    int n,i;
```

```
    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]);
```

```
    }
```

```
    deletion(a,n);
```

```
    return 0;
```

```
}
```

```
void deletion(int a1[],int n)
```

```
{
```

```
    int i,location;
```

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

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

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

```
    {
```

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

```
    }
```

```

else
{
    for(i=location;i<n;i++)
    {
        a1[i]=a1[i+1];
    }
    printf("after deletion the resultant array is\n");
    for(i=0;i<n-1;i++)
    {
        printf("%d\n",a1[i]);
    }
}
}

```

```

C:\Users\HP\OneDrive\Desktop\collage work 3rd sem\array deletion(location)by func.exe
enter the value of n
5
enter the values of array
1
2
3
4
5
your entered array elements are
1
2
3
4
5
enter the location of new element to be deleted
2
after deletion the resultant array is
1
2
4
5
-----
Process exited after 5.398 seconds with return value 0
Press any key to continue . . .

```