/*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]);
                }
        }
}
```