

/*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)
```

```
    {
```

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

```
    }
```

```
    else
```

```
    {
```

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

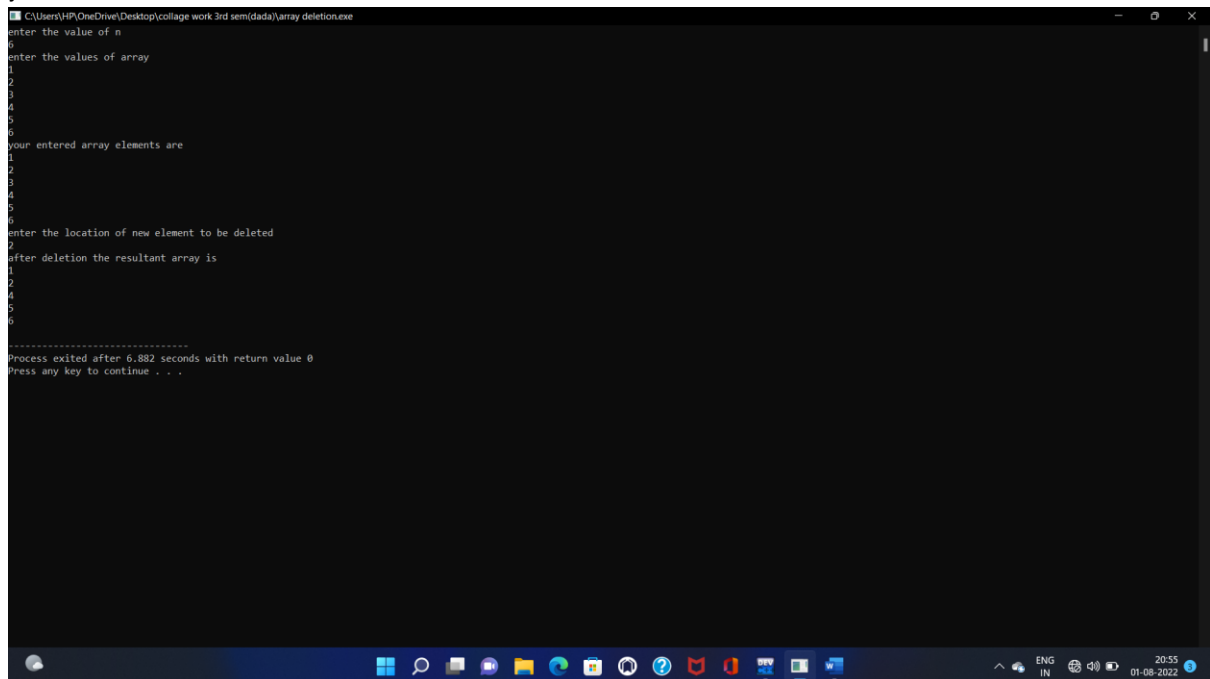
```
        {
```

```
            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, which is 6. It then prompts for the values of the array, which are 1, 2, 3, 4, 5, and 6. The program displays the entered array elements. It then prompts for the location of the element to be deleted, which is 2. After deletion, the resultant array is displayed as 1, 2, 4, 5, and 6. The program exits after 6.882 seconds with a return value of 0. The Windows taskbar is visible at the bottom, showing the Start button, search bar, and various application icons. The system tray shows the language set to English (IN), the date as 01-08-2022, and the time as 20:55.

```
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 6.882 seconds with return value 0
Press any key to continue . . .
```