

```
PS C:\Users\suraj\OneDrive\Desktop\DS  
A Codes> > cd "c:\Users\suraj\OneDrive\Desktop\DSA Codes\" ; if ($?) { gcc 20_deletion_in_doubly.c -o 20_deletion_in_doubly } ; if (?) { .\20_deletion_in_doubly }  
Before deletion list: 1->2->3->  
Updated list: 2->3->
```

```
PS C:\Users\suraj\OneDrive\Desktop\DSA Codes> cd "c:\Users\suraj\OneDrive\Desktop\DSA Codes\" ; if (?) { gcc 06_linked_list_deletion.c -o 06_linked_list_deletion } ; if (?) { .\06_linked_list_deletion }  
  
Linked list before deletion  
4->3->8->1->  
Linked list after deletion on specific value: 4->8->1->
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q1.py"  
The list is: [2, 4, 5, 7]
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q2.py"
```

```
6  
24
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q4.py"
```

```
The list is: ['aba', '1221']  
The number is: 2
```

```
PS C:\Users\suraj\OneDrive\Desktop\DS  
A Codes> cd "c:\Users\suraj\OneDrive\Desktop\DSA Codes\" ; if (?) { gcc 18_insertion_doubly_linklist.c -o 18_insertion_doubly_linklist } ; if (?) { .\18_insertion_doubly_linklist }  
Original Doubly Linked List:  
1->2->4->
```

```
After inserting Node at the front of  
Doubly linklist:  
15->1->2->4->
```

```
abhijit@abhijit-desktop:~/Desktop/C_codes$ nano single_ll.c  
abhijit@abhijit-desktop:~/Desktop/C_codes$ gcc single_ll.c  
abhijit@abhijit-desktop:~/Desktop/C_codes$ ./a.out  
Linked list before insertion  
7->11->41->66->  
Linked list after insertion  
7->11->41->45->66->abhijit@abhijit-desktop:~/Desktop/C_codes$
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q3.py"  
Smallest number: 5  
Largest number: 62
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q5.py"  
[1, 3, 5, 7, 9]
```

```
PS C:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List> python -u "c:\Users\suraj\OneDrive\Desktop\Py_ass\Assignment_4_List\q6.py"  
[36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400, 441, 484, 529, 576, 625, 676, 729, 784, 841, 900]
```