



RIPHAH
INTERNATIONAL UNIVERSITY

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Course : DSA

Section: SE 3-2

LAB # 05

Task 1:

Output :

```
PS C:\Users\MUHAMMAD HAMMAD\Linked List> cd "c:\Users\MUHAMMAD HAMMAD\Linked List\Lab 4 tasks\" ; if ($?) { g++ task1.cpp -o task1 } ; if ($?) { .\task1 }  
*** LAB 5 ***  
How many values do you want to enter in the linked list?  
5  
Enter the value for block 1 of the linked list:  
10  
Enter the value for block 2 of the linked list:  
20  
Enter the value for block 3 of the linked list:  
30  
Enter the value for block 4 of the linked list:  
40  
Enter the value for block 5 of the linked list:  
50  
Linked List is:  
50 -> 40 -> 30 -> 20 -> 10 -> NULL  
Enter the value to be deleted:  
30  
Node with value 30 deleted.  
The updated list is:  
50 -> 40 -> 20 -> 10 -> NULL  
Enter the value to search:  
20  
Value 20 found in the list.  
PS C:\Users\MUHAMMAD HAMMAD\Linked List\Lab 4 tasks> |
```



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Task 2:

Output :

```
task1.cpp task2.cpp x task4.cpp
Linked List > Lab 4 tasks > task2.cpp > printlist(Node *)
1  #include <iostream>
2  using namespace std;
...
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
PS C:\Users\MUHAMMAD HAMMAD\Linked List> cd "c:\Users\MUHAMMAD HAMMAD\Linked List\Lab 4 tasks\" ; if ($?) { g++ task2.cpp -o task2 } ; if ($?) { .\task2 }
*** LAB 5 ***
How many values do you want to enter in the linked list?
5
Enter the value for block 1 of the linked list:
10
Enter the value for block 2 of the linked list:
20
Enter the value for block 3 of the linked list:
30
Enter the value for block 4 of the linked list:
40
Enter the value for block 5 of the linked list:
50
Linked List is:
50 -> 40 -> 30 -> 20 -> 10 -> NULL

Reversing the linked list...
Reversed Linked List is:
10 -> 20 -> 30 -> 40 -> 50 -> NULL
PS C:\Users\MUHAMMAD HAMMAD\Linked List\Lab 4 tasks>
```

-----END-----