DAILY ONLINE ACTIVITIES SUMMARY

Date:	**20-6-20**	**Name:**	**Pragathi h d**
Sem & Sec	**8 sem B sec**	**USN:**	**4AL16CS066**
Online Test Summary			
Subject			
Max. Marks		**Score**	
Certification Course Summary			
Course	**Java programming**		
Certificate Provider	**Learning academy**	**Duration**	**5.00hrs**
Coding Challenges			
Problem Statement: `c program to reverse a Linked List in group of given size`			
Status: Solved			
Uploaded the report in Github		**Uploaded**	
If yes Repository name		**Pragathijain**	
Uploaded the report in slack		**yes**	

Online Test Details: (Attach the snapshot and briefly write the report for the same)

Certification Course Details: (Attach the snapshot and briefly write the report for the same)

Coding Challenges Details: (Attach the snapshot and briefly write the report for the same)

COURSE

Coding

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

                    struct Node
                    {
                    int data;
                    struct Node* next;
                    };

                    pointer to the new
                    head node. /
                    struct Node reverse
                    (struct Node head,
                    int k)
                    {
                    struct Node current
                    = head;
```

```
struct Node next =
NULL;
struct Node prev =
NULL;
int count = 0;

while (current !=
NULL && count < k)
{
    next  = current-
>next;
    current->next =
prev;
    prev = current;
    current = next;
    count++;
}

if (next !=  NULL)
   head->next =
reverse(next, k);

return prev;
}

void push(struct
Node** head_ref, int
new_data)
{
struct Node*
new_node =
(struct Node*)
malloc(sizeof(struct
Node));

new_node->data  =
new_data;

new_node->next =
(*head_ref);

(*head_ref)    =
new_node;
```

```
}

void
printList(struct
Node *node)
{
while (node != NULL)
{
printf("%d ", node-
>data);
node = node->next;
}
}

int main(void)
{
struct Node* head =
NULL;
push(&head, 8);
push(&head, 7);
push(&head, 6);
push(&head, 5);
push(&head, 4);
push(&head, 3);
push(&head, 2);
push(&head, 1);

 printf("\nGiven
linked list \n");
 printList(head);
 head =
reverse(head, 2);

 printf("\nReversed
Linked list \n");
 printList(head);

 return(0);
```