

School of computer application

CA 2st
Of
Advance Data Structure (CAP-680)
Session 2022-2024

Submitted to:

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Que-1 Insert value at first node and last node?

```
#include <stdlib.h>
struct Node *head = NULL;
void insertAtBeginning(int value) {
 struct Node *newNode = (struct Node*)malloc(sizeof(struct Node));
 newNode->data = value;
 head = newNode;
roid insertAtEnd(int value) {
 struct Node *newNode = (struct Node*)malloc(sizeof(struct Node));
 newNode->data = value;
    currentNode = currentNode->next;
 insertAtBeginning(5);
 insertAtBeginning(4);
 insertAtBeginning(2);
 insertAtBeginning(1);
 insertAtEnd(6);
 insertAtEnd(7);
```

```
insertAtEnd(9);
struct Node *currentNode = head;
while (currentNode != NULL) {
    printf("%d ", currentNode->data);
    currentNode = currentNode->next;
}
return 0;
}
```

Output:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1 2 4 5 6 7 9 [1] + Done "/usr/bin/gdb" --inte gine-In-m5itpmrg.lgg" 1>"/tmp/Microsoft-MIEngine-Out-4ir5pbkg.t4u" alright@alright:~/Desktop/programming/DSA$
```