DATA STRUCTRES

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COURSE CODE : CSA0312

TOPIC : SINGLE LINKED LIST

SINGLE LINKED LIST :-

INPUT:-

```
#include <stdio.h>
#include <stdlib.h>
struct Node {
    int data;
    struct Node* next;
};
void printList(struct Node* node) {
    while (node != NULL) {
```

```
        printf("%d -> ", node->data);
        node = node->next;
    }
    printf("NULL\n");
}
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;
}
int main() {
    struct Node* head = NULL;
    push(&head, 3);
    push(&head, 2);
    push(&head, 1);
        printf("Linked list: ");
    printList(head);

    return 0;
}
```

OUTPUT:-