

Queue of LL

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

struct node{
    int data;
    struct node *next;
}*front,*rear,*n;

void enqueue(int num){
    n=(struct node*)malloc(sizeof(struct node));
    n->data=num;
    n->next=NULL;
    if(rear==NULL){
        rear=n;
        front=n;
    }
    else{
        rear->next=n;
        rear=n;
    }
}

void dequeue(){
    if(front == NULL) {
        printf("Queue is empty\n");
        return;
    }
    struct node *t = front;
    front = front->next;
    free(t);
}

void rear1(){
    if(rear == NULL)
        printf("Queue is empty\n");
    else
        printf("rear=%d\n",rear->data);
}

void front1(){
    if(front == NULL)
        printf("Queue is empty\n");
    else
        printf("front=%d\n",front->data);
}

void display1() {
    struct node *t;
    for(t=front;t!=NULL;t=t->next){
        printf("%d\n",t->data);
    }
}

int main(){
    printf("name=kongara sai\nreg no=192365025\n");
    enqueue(2);
    enqueue(3);
    enqueue(5);
    display1();
    dequeue();
    dequeue();
    printf("after deletion\n");
    display1();
    rear1();
    front1();
    return 0;
}
```

```
name=kongara sai
reg no=192365025
2
3
5
after deletion
5
rear=5
front=5
=====
```