```
#include<stdlib.h>
struct node{
  int data;
  struct node *next;
}*front=NULL,*rear=NULL,*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;
    n->next=front;
    rear=n;
}
void dequeue(){
  if(front == NULL) {
    printf("Queue is empty\n");
    return;
  struct node *t = front;
  front = t->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 = front;
  if (rear == NULL) {
    printf("Queue is empty\n");
    return;
    printf("%d\n", t->data);
    if(t == rear) {
      break;
    t = t->next;
  } while (t != front);
  printf("name=kongara sai\nreg no=192365025\n");
  enqueue(2);
  enqueue(3);
  enqueue(5);
  printf("after insertion\n");
  display1();
```

#include<stdio.h>

```
dequeue();
dequeue();
printf("after deletion\n");
display1();
rear1();
front1();
return 0;
}
```

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