Q1)wap to implement queues using linked lists:

```
(2) WhatsApp
                                                                                                                                                           ← → C 🍵 onlinegdb.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ☆ A :

        Image: Image:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Language C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        v 8 🌣
                                              1 #include<stdio.h>
2 #include<conio.h>
3 #include<stdlib.h>
4 struct node
                                            4 5.
5 {
6 int info;
7 struct node *link;
7 rode
                                            9 typedef struct node *NODE;10 NODE getnode()
                                   10 NODE g
11 {
12 NODE x;
13 x=(NODE)malloc(sizeof(struct node));
14 if(x==NULL)
15 {
16 printf("mem full\n");
17 exit(0);
                                   printf("mem full\n");
exit(0);

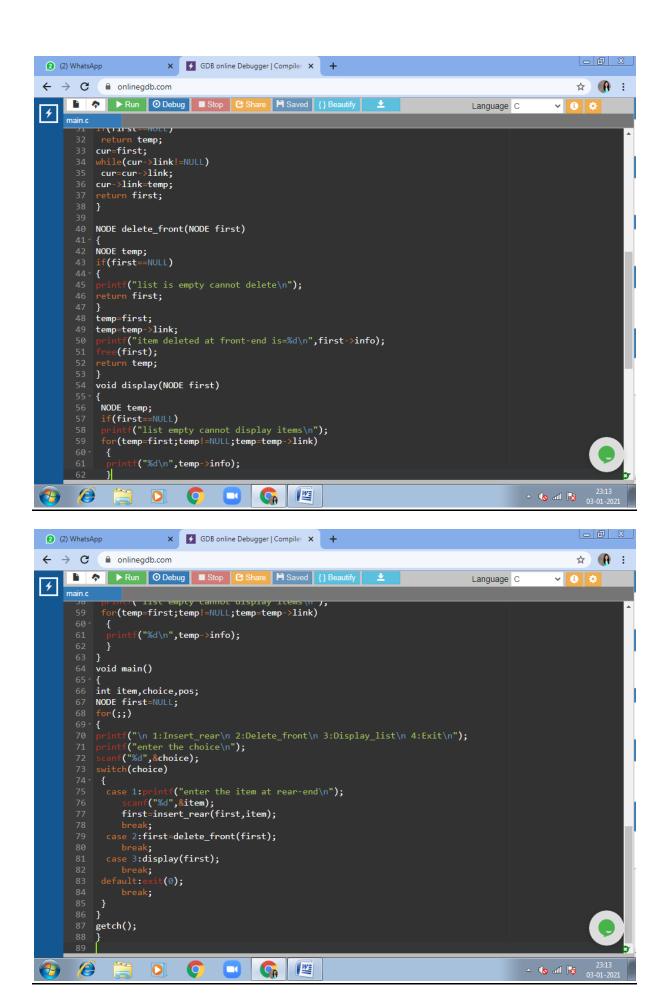
preturn x;

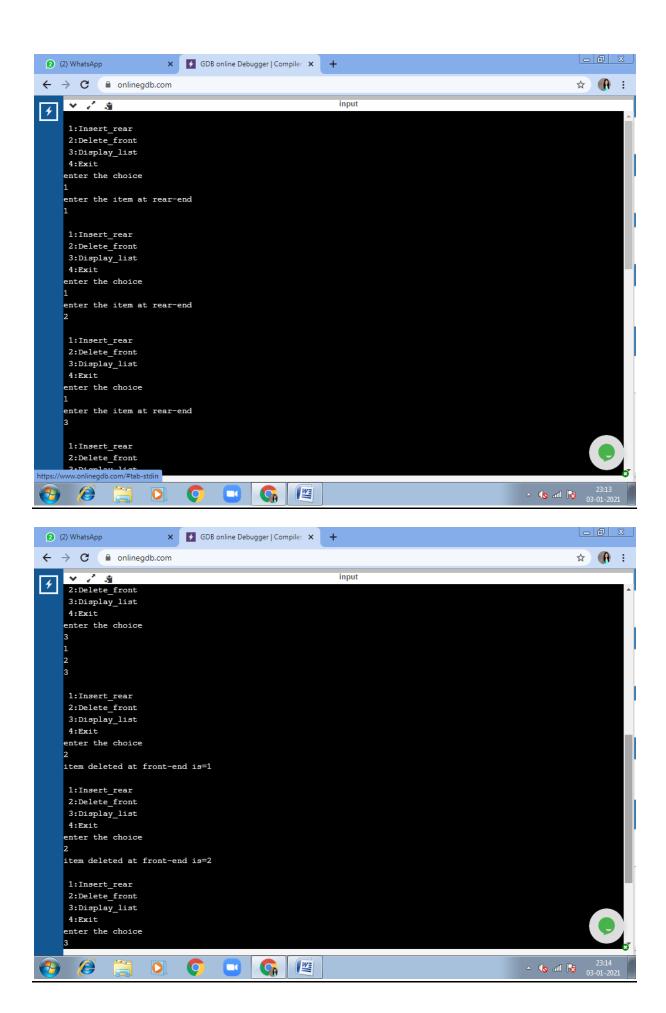
void freenode(NODE x)

free(x);

NODE insert_rear(NODE first,int item)

NODE temp,cur;
temp=getnode();
temp->info=item;
temp->link=NULL;
if(first==NULL)
                                                                            G
W
```





```
enter the choice

3

1:Insert_rear
2:Delete front
3:Display_list
4:Exit
enter the choice
4

...Program finished with exit code 0
Press ENTER to exit console.
```

Q2)wap to implement stacks using linked lists:

```
    WhatsApp

                                                                                                                          ← → C 🗎 onlinegdb.com
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ☆ (A :

  Image: I
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Language C
                                   1 #include<stdio.h>
2 #include<conio.h>
3 #include<stdlib.h>
                                    4 struct node
                                 5 {
6 int info;
7 struct node *link;
                               9 typedef struct node *NODE;10 NODE getnode()
                               NODE x;
x=(NODE)mallor(sizeof(struct node));
                               14 if(x==NULL)
15 {
                                                        printf("mem full\n");
exit(0);
                                21 void freenode(NODE x)
                               22 * {
23 fr
                                                                       e(x);
                                 25 NODE insert_front(NODE first,int item)
                                 27 NODE temp;
                               28 temp=getnode();
29 temp->info=item;
30 temp->link=NULL;
                                                                                                                                                                                                                                                                                               input
                                                                                                          0
                                                                                                                                             23:0° (3-01-2
```

