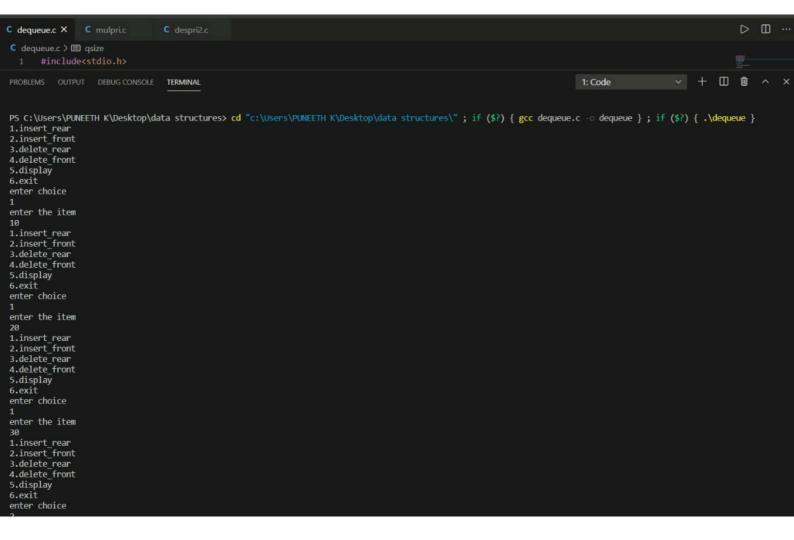
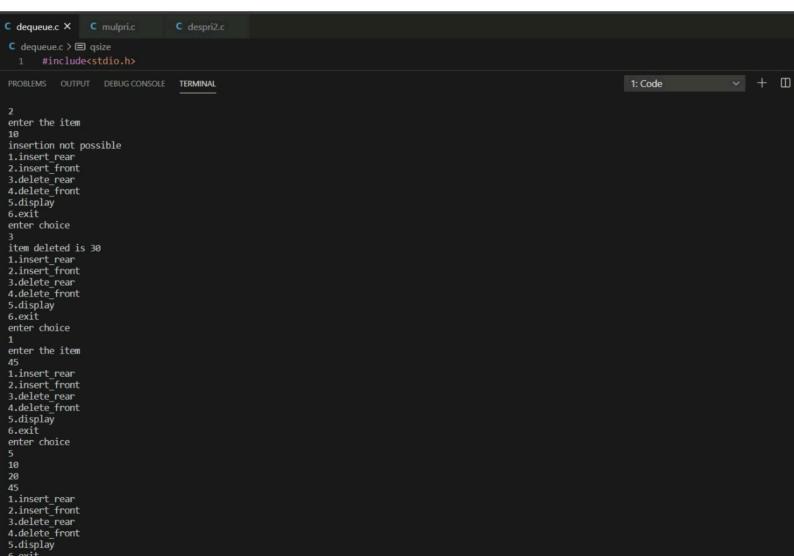
C dequeue.c X C mulpri.c

```
C dequeue.c X
C dequeue.c > 分 main()
       void display()
          if(isempty())
             printf("queue empty\n");
           printf("%d\n",q[i]);
       void main()
         for(;;)
           printf("1.insert_rear\n2.insert_front\n3.delete_rear\n4.delete_front\n5.display\n6.exit\n");
           printf("enter choice\n");
           scanf("%d",&ch);
              case 1:printf("enter the item\n");
                      scanf("%d",&item);
                      insert_rear();
              break;

case 2:printf("enter the item\n");

scanf("%d",&item);
                      insert_front();
              case 3:delete_rear();
              case 4:delete_front();
                     break;
              case 5:display();
              default:exit(0);
```





```
DEQUEUES
# undude < stdio. h >
# in chude ( cario. h >
# define 9size 5
 int f=0, or=-1, ch;
 ût item, 9[10];
   art isfull()
    utum (x== q/size-1) 21:0;
    3
int i empty()
      enturn (1>4) ?1:0;
      Void unsert_sear()
      (a capulla)
        print ("Queue overflow");
        riturn;
       q[x] = item;
      Void delete-front()
       of (is compty(1)
       print ("queue empty (n");
        return;
       3 print ("item deleted is %d \n", q, [(6) ++]);
         a (1 > x)
```

```
void insert-front ()
   q[1] = item;
     return;
    else 4 ((f==0)&k (x==-1))
      q[++(2)]=tem;
      mutur
     print/("insertion not possible (n");
    elee.
     void delete-seas()
      q (icumpty())
       { print(("queue is empty \n"):
        muster
       quint { (" trem deleted is %d \n", 9 [(s) - -]);
       4 (4>4)
     yord display ()
       a (acupty())
       { print ( " queue empty \n');
        neutr
```

```
for ( i= { ; e <= 2; e++)
   print ("% d (n', q/[i]);
    void main ()
     for (;;)
    paint/ ("1. insert- sear (n2. insert-port (n3. delete=sear (n4. delete-
          front In 5. display (no. exit \n");
         print/("enter choice (n'));
           Scanf ("%d", Ach);
            Switch (ch)
            care 1: print/l'enter the it em (n');
               Scanf ("%d", & item);
               insert rear ():
               break;
               care 2: print/ l'enter the it en (n:);
                -Scary ("%d " & item):
                 cirsett-front();
                  break;
               con 3: delete- rea ();
                 break ',
               Care 4: delete-front (1;
                 break;
                Can 5: display (1;
                 break',
                 difault: exit (0);
```