```
, frame:
#include <stdio.h>
 # include < stalib h>
 # define QUE_SIZE 3
 int item, pront=0, ren=-1,9[10];
  wid inscitlear()
   y (rear = QVE_SIZE-1)
    prints ("quene overflow \n");
    elitin
    elai : leait 1;
    of [elai]: item;
    int dellte front ()
    if (front>lear)
     front = 0; us all of well all will of places of the
      la:-1;
      return - 1;
     } leliten q[front++];
    3 void display Q()
    y (fronts lear)
     2 prints ("Queue is empty \n");
```

return ; printy (" contents of queue In"); for (i= front; ix: red; i++) Paint (nojodin", q(i)); int main () First choice; for (;;) printz ("1. Insert elar 2. Delete front 3. Display 4. Exit \n"); Print ("Enter the choice \n"); Scanf ("% d", & choice); Shortch (choice) Case 1: prints (" Enter the item to be inserted In"); Scanf (" god", kitem); insutear(); break case 2: tern = deletépront (); if (ithm == -1) Perset ("Queue is empty \n"); printf ("Item delited = % d \n", stem);

belans case 3: display Q(); break; default: exit(0); UTPUT: Insert lear 2. déletégeont 3. Display 4. Exit entre the Choice Enter the item to be insuled 1. Disent elan 2. delete fromt 3. Display 4. Exit Enter the choice Enter the item to be inserted 1. Insert rear 2. delete front 3. Display 4. Exit Enter the choice Contents of quene 1. Insert clar 2. delete front 3. Display 4. Exit Enter the choice item deleted = 1 3. Display 4. Exit 1. Insertieur 2. deletépant Entir les choire Tem deleted = ?

```
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
enter the item to be inserted
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
enter the item to be inserted
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
enter the item to be inserted
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
contents of queue
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
item deleted=1
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
item deleted=2
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
item deleted=3
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
queue is empty
1:insertrear 2:deletefront 3:display 4:exit
enter the choice
```