```
#include <stdro. h>
## include < stalib. h>
# define MAX 5
int foront = 0;
int new = -1;
int queue [MAX];
Void Enque (in);
int Deque();
void display ();
 int main (int argc, char ** argv)
   int option;
   int item;
   do 1
       Paintf ("In 1. Insert to queue (Enqueue)");
       Printf ("In 2. delete from queue (Dequeue)");
       Porintf ("In a Display the content ");
       Parntf("In 4. Exit In");
       Pointf ("In Enter the option: ");
       scanf (" /d", soption );
       switch (option)
       (ase 1: printf ("Enter the element In");
                scanf (" 1.d", sitem);
                Enquellitem);
                break;
```

```
case 2: item = Deque();
         if (item = = -1)
        Pointf ("Queue is empty In");
         else
         Points ("Removed element from the quew 14",
         Hem);
         break;
case 3: display(1;
         break;
caseu: exit (0);
  4
 y while (option ! = 4);
 retion 0;
 Void Enque (int ell)
   if ( rear = = Mar-1)
   Printf ("Queue is full In");
   else
    71807 ++ 1
    queue [rear]= ell;
   int Deque ()
     int item ;
      if (Front = = -1)
        return -1;
        else
```

```
item = queue [front];
foront ++;
if (forest > rear) 7;
 (1 -= troof
 7 ear = - (;
 reteoin item;
 void display ()
 int (;
 84 (foront = = -()
  Printf ("queue is empty(n");
  else
   Bintf l'in queue contents: "1;
   for (1=foront; iz=news; i++)
    Breatt ("%d", quece (i));
```