```
#include <stdio.h>
#include <stdlib.h>
#define MAX 5
int front=0;
int rear=-1;
int queue[MAX];
void Enque(int);
int Deque();
void display();
int main(int argc, char **argv)
  system("clear");
       int option;
  int item;
     printf("\n 1. Insert an element to Queue (EnQueue)");
     printf("\n 2. Delete an element from the Queue (DeQueue)");
     printf("\n 3. Display the content of the Queue "); printf("\n 4. Exit\n");
     printf("Enter the option:");
     scanf("%d",&option);
     switch(option)
        case 1: printf("Enter the element\n");
              scanf("%d",&item);
              Enque(item);
              break;
        case 2:
             item=Deque();
             if(item==-1)
                printf("Queue is empty\n");
             printf("Removed element %d from the queue",item);
             break;
        case 3: display();
             break;
        case 4: exit(0);
  } while (option!=4);
       return 0;
}
void Enque(int ele)
  if (rear==MAX-1)
    printf("Queue is full");
  else
    rear++;
   queue[rear]=ele;
  }
int Deque()
  int item;
  if(front == -1)
```

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return -1;
  else
  {
     item=queue[front];
     front++;
     if(front>rear)
        front=-1;
        rear=-1;
     return item;
  }
}
void display()
  int i;
  if(front==-1)
     printf("Queue is empty\n");
  else
     printf("Queue contents:\n");
     for(i=front;i<=rear;i++)
          printf("\n\%d",\,queue[i]);
  }
}
```