```
#include<stdio.h>
int a[10],f=-1,r=-1,i,max,c;
void enqueue();
void dequeue();
void display();
void main()
{
       printf("Enter the max value of queue :");
       scanf("%d",&max);
       do
       {
               printf("\n1.Enqueue\n2.Dequeue\n3.Display\nEnter your choice :");
               scanf("%d",&c);
               switch(c)
               {
                      case 1:enqueue();
                      break;
                      case 2:dequeue();
                      break;
                      case 3:display();
                      break;
                      case 4:
                      break;
                      default:printf("Invalid choice");
       }while(c!=4);
void enqueue()
       if(r==max-1)
               printf("Overflow");
       else if(f==-1&&r==-1)
       {
               f=0;
               r=0;
              printf("Enter the element :");
               scanf("%d",&a[f]);
       }
       else
       {
               r=r+1;
               printf("Enter the element ");
```

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scanf("%d",&a[r]);
       }
}
void dequeue()
       int temp,p=0;
       if(f==-1)
       {
               printf("Underflow");
       else if(f==r)
               printf("Delted element is is %d",a[f]);
               f=-1;
               r=-1;
       }
       else
       {
               temp=a[f];
               for(i=f+1;i<=r;i++)
                       if(temp<a[i])
                       {
                               temp=a[i];
                               p=i;
                       }
               printf("Deleted element is %d",temp);
               for(i=p;i< r;i++)
                       a[i]=a[i+1];
               r=r-1;
       }
void display()
       if(f==-1&&r==-1)
               printf("Queue is empty");
       else
        {
```