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Even

P1(Program to merge two sorted arrays of size m and n resp. Then delete 4th element from merged array.

Ans:-

```
#include<iostream.h>
#include<conio.h>
void main()
{
    int i,j,k,m,n,a[10],b[10],c[10];
    clrscr();
    {
        cout<<"enter the size of first array: "<<endl;
        cin>>n;
        cout<<"enter the elements of first array: "<<endl;
        for(i=0;i<n;i++)
        {
            cin>>a[i];
        }
        cout<<"enter the size of second array: "<<endl;
        cin>>m;
        cout<<"enter the elements of second array: "<<endl;
        for(j=0;j<m;j++)
        {
            cin>>b[j];
        }
        while(i<n && j<m)
        {
            if(a[i]<b[j])
            {
                c[k]=a[i];
                k++;
                i++;
            }
            else
            {
                c[k]=b[j];
                k++;
            }
        }
    }
}
```

```

        j++;
    }
    if(i==n)
    {
        while(j<m)
        {
            c[k]=b[j];
            j++;
            k++;
        }
    }
    else
    {
        while(i<n)
        {
            c[k]=a[i];
            i++;
            k++;
        }
    }
}

cout<<"the elements after merging are: "<<endl;
for(k=0;k<(m+n);k++)
{
    cout<<"the elements are"<<c[k]<<endl;
}
//cout<<" deleting the 4th element from merged array:"<<endl;
for(k=0;k<(m+n);k++)
{
    c[k]=c[k-1];
}
cout<<"after deleting the 4th element from array: "<<endl;
for(k=0;k<n+m;k++)
{
    cout<<c[k];
}

}
getch();
}

```