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#include<stdio.h>

#include<conio.h>

#define Max 100

void NhapDuLieu(float a[], int &n)
{

    printf("\n Nhap vao so phan tu cua day n = ");
    scanf("%d",&n);

    for(int i=0;i<n;i++)
    {

        printf("\n Nhap vao phan tu thu a[%d] = ",i);
        scanf("%f",&a[i]);

    }

}

void XuatDuLieu(float a[], int n)
{

    printf("\n In ra cac phan tu trong day la ");

    for(int i=0;i<n;i++)

        printf("\n Gia tri a[%d] = %.2f",i,a[i]);

}
```

```

void ChenPhanTu(float a[], int &n, float &x)
{
    int luachon;

    printf("\n Nhap vao vi tri muon chen 1: Dau Mang;
    2: Giua Mang;3: Cuoi Mang ");

    scanf("%d",&luachon);

    printf("\n Nhap vao gia tri x can them vao mang = ");
    scanf("%f",&x);

    if(luachon==3)
    {
        a[n]=x;
        n++;
    }

    if(luachon==1)
    {
        for(int j=n;j>=1;j--)
            a[j]=a[j-1];
        a[0]=x;
    }

    if(luachon==2)

```

```

{
    int k;

    printf("\n Nhap vao vi tri ban muon chen ");

    scanf("%d",&k);

    for(int j=n;j>=k+1;j--)
        a[j]=a[j-1];

    a[k]= x;
}
}

```

```

int main()
{
    int n;

    float a[Max], x;

    NhapDuLieu(a,n);

    XuatDuLieu(a,n);

    ChenPhanTu(a,n,x);

    XuatDuLieu(a,n);

    getch();

    return 0;
}

```

}