
Assignment Name: Demonstration of Array

```
#include<iostream.h>
#include<conio.h>
#include<process.h>

class demo
{
    int a[10],i,j,n,item,k;
public:
    void get();
    void insert();
    void del();
    void dis();
};

void demo::get()
{
    cout<<"\nEnter n";
    cin>>n;
    cout<<"\nEnter Array Element:";
    for(i=1;i<=n;i++)
        cin>>a[i];
}

void demo::insert()
{
    cout<<"\nEnter Position:";
    cin>>k;
    cout<<"\nEnter Item:";
    cin>>item;
    j=n;
    while(j>=k)
    {
        a[j+1]=a[j];
        j--;
    }
    a[k]=item;
    n++;
}

void demo::del()
{
    cout<<"\nEnter Position:";
    cin>>k;
    j=k;
    while(j<=n-1)
    {
        a[j]=a[j+1];
        j++;
    }
    n--;
}

void demo::dis()
{
    cout<<"\n Elements are\n";
    for(i=1;i<=n;i++)
        cout<<a[i]<<"\t";
}

void main()
{
    clrscr();
    demo d;
    int ch;
    d.get();
    cout<<"\n1. Insert 2.Del 3.Dis 4. Exit\n";
```

```

while(ch!=4)
{
    cout<<"\n Enter choice";
    cin>>ch;
    switch(ch)
    {
        case 1: d.insert(); break;
        case 2: d.del(); break;
        case 3: d.dis(); break;
        case 4: exit(0);
    }
}
getch();
}

```

*/ Output */

Enter n 3

Enter Array Element:1 2 4

1. Insert 2.Del 3.Dis 4. Exit

Enter choice 3

Elements are

1 2 4

Enter choice 1

Enter Position: 2

Enter Item: 6

Enter choice 3

Elements are

1 6 2 4

Enter choice 2

Enter Position: 3

Enter choice 3

Elements are

1 6 4

Enter choice 4