

# Array operation

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
int A[50],n;
```

```
void Array_insertion()
```

```
{
```

```
    int i,ele=100,pos=2;
```

```
    printf("Enter the n");
```

```
    scanf("%d",&n);
```

```
    printf("Enter the Array element");
```

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

```
        scanf("%d",&A[i]);
```

```
    for(i=n;i>=pos;i--)
```

```
        A[i]=A[i-1];
```

```
    A[pos]=ele;
```

```
}
```

```
void Array_deletion()
```

```
{
```

```
    int i,pos=4;
```

```
    for(i=pos;i<n;i++)
```

```
        A[i]=A[i+1];
```

```
}
```

```
void Array_display()
```

```
{
```

```
    int i;
```

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

```
        printf("%d\t",A[i]);
```

```
}
```

```
int main()
```

```
{
```

```
    int cho;
```

```
    do{
```

```
        printf("\n**** Main Menu ****\n");
```

```
        printf("\n1.Insertion\n2.Deletion\n3.Display\n4.Exit\n");
```

```
        printf("Enter your Choice ?");
```

```
        scanf("%d",&cho);
```

```
        switch(cho)
```

```
        {
```

```
            case 1:Array_insertion(); break;
```

```
            case 2:Array_deletion(); break;
```

```
            case 3:Array_display(); break;
```

```
            case 4:exit(0);
```

```
            default: printf("\nEnter the choice between 1 to 4!!!!");
```

```
        }
```

```
    }while(cho>0 && cho<=4);
```

```
}
```

# Output:

C:\Users\91911\OneDrive\Documents\Exams\ptr\array\_operations.exe

```
1.Insertion
2.Deletion
3.Display
4.Exit
Enter your Choice ?3
1      2      100    3      4      5      6
**** Main Manu ***

1.Insertion
2.Deletion
3.Display
4.Exit
Enter your Choice ?2

**** Main Manu ***

1.Insertion
2.Deletion
3.Display
4.Exit
Enter your Choice ?3
1      2      100    3      5      6      6
**** Main Manu ***

1.Insertion
2.Deletion
3.Display
4.Exit
Enter your Choice ?
```