Array operation:-

```c
#include<stdio.h>
Int a[20], n, val,I,pos;
Void create();
Void display();
Void insert();
Void delete();
main();
{
Int ch;
While(1)
{
Printf("\n 1. create \n");
Printf("\n 2. display \n");
Printf("\n 3. insert \n");
Printf("\n 4. delete \n ");
 Printf("\n5 . Exit \n");
Printf("enter your choice \n");
Scanf("%d",&ch);
Switc(ch)
{
Case 1 : create();
break;
Case 2 : display();
break;
Case 3 : insert();
break;
Case 4 : delete();
break;
Case 5 : _Exit(0);

default : printf("\n Invalid choice \n");
break;
}
}
}
void create()
{
Printf(\n enter the size of the array elements \n");
Scanf("%d",&n);
```

```c
Printf("\n enter the elements for the array \n");
for(i=0;i<n;i++);
Scanf("%d",&a[i] );
}
Void display()
{
Int I;
Printf("the array elements are \n");
For (i=0; i<n;i++)
Printf("%d\t",a[i]);
}
Void insert ()
{
Printf("enter the index position for the new elements \n");
Scanf("%d",&pos);
Printf("\n enter the elements to be inserted \n");
Scanf("%d",&val);
for(i=n-1; i>=pos;i--)
{
a[i+1]=a[I];
}
a[pos]=val;
n=n+1;
}
Void delete()
{
Printf("enter the index position of the elements to be deleted \n");
Scanf("%d",&pos);
Val=a[pos];
for(i=pos; i<n-1;i++);
{
a[i]=a[i+1];
}
n=n-1;
Printf("the deleted elemets is = %d", val);
}
```