

//Array operations

```
int arr[10],count,size=10;
main()
{
    int opt;
    count=0;
    while(1)
    {
        clrscr();
        printf("\nArray Operations");
        printf("\n1. Add");
        printf("\n2. Insert");
        printf("\n3. Delete");
        printf("\n4. Display");
        printf("\n5. Exit");
        printf("\n enter the option ");
        scanf("%d",&opt);
        switch(opt)
        {
            case 1:
                add();
                break;
            case 2:
                ins();
                break;
            case 3:
                del();
                break;
            case 4:
                disp();
                break;
            case 5:
                exit(0);
        }
        getch();
    }
}

add()
{
    int no;
    if (count==size)
    { printf("array full");
      return;
    }
    else
    { printf("enter an element");
      scanf("%d",&no);
      arr[count++]=no;
    }
}
```

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}

del()
{
    int no,i;
    if (count<0)
    {
        printf("array empty");
        return;
    }
    else
    {
        printf("Enter the element which u want to delete");
        scanf("%d",&no);
        for(i=0;i<count;i++)
        { if (arr[i]==no)
            { for(;i<count;i++)
                arr[i]=arr[i+1];
                count--;
                return;
            }
        }
    }
}

```

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ins()
{
    int no,i,p;
    if (count==size)
    {
        printf("array full");
        return;
    }
    else
    {
        printf("Enter the position where u want to insert");
        scanf("%d",&p);
        printf("Enter the element which u want to insert");
        scanf("%d",&no);
        for(i=count;i>=p;i--)
            arr[i]=arr[i-1];
        arr[p-1]=no;
        count++;
        return;
    }
}

```

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disp()
{
    int i;
    for(i=0;i<count;i++)

```

```
printf("\n%d",arr[i]);  
}
```