

```
1  /*C Program to Add Two Complex Numbers*/
2
3
4  #include<stdio.h>
5  int main()
6  {
7      int a,b,c,d,r,i;
8      printf("Enter any four Numbers\n:");
9      scanf("%d%d%d%d",&a,&b,&c,&d);
10     printf("1st complex number:%d+i%d\n",a,b);
11     printf("2nd complex number:%d+i%d\n",c,d);
12     r=a+c;
13     i=b+d;
14     printf("Sum of two complex numbers is %d+i%d\n",r,i);
15     return 0;
16
17
18 }
19
```

input

```
5
1st complex number:2+i3
2nd complex number:4+i5
Sum of two complex numbers is 6+i8

...Program finished with exit code 0
Press ENTER to exit console.
```

```
1  /*C Program to find simple interest */
2
3
4  #include<stdio.h>
5  #include<math.h>
6  int main()
7  {
8      int p,t,r,si;
9      printf("Enter amount,time, rate:");
10     scanf("%d%d%d",&p,&t,&r);
11     si=(p*t*r)/100;
12     printf("simple Interest :%d",si);
13
14     return 0;
15
16
17 }
18
```

input


```
Enter amount,time, rate:1000
2
3000
simple Interest :60000

...Program finished with exit code 0
Press ENTER to exit console.
```

```

1  /*C Write a C program to calculate Compound Interest.Use pow function. */
2
3
4  #include<stdio.h>
5  #include<math.h>
6  int main()
7  {
8      float p,t,r,Ci;
9      printf("Enter amount,time, rate:");
10     scanf("%f%f%f",&p,&t,&r);
11     Ci=((p*pow((1+r/100),t))-p);
12     printf("simple Interest :%f",Ci);
13
14     return 0;
15
16
17 }
18

```


input

Enter amount,time, rate:20000000

9

8

simple Interest :19980106.000000


...Program finished with exit code 0

Press ENTER to exit console.

```

1  /*Write a program to Find all the roots of a quadratic equation in C.Check for all three conditions. */
2
3
4  #include<stdio.h>
5  #include<math.h>
6  int main()
7  {
8      int a,b,c,d,x,y;
9      printf("Enter values for a,b,c :");
10     scanf("%d%d%d",&a,&b,&c);
11     d=sqrt((b*b)-4*a*c);
12     x=(-b+d)/2*a;
13     y=(-b-d)/2*a;
14     printf("x=%d\n|y=%d\n",x,y);
15     return 0;
16
17
18 }
19

```


input

```

Enter values for a,b,c :1,-2,3
x=0
y=0

```

```

...Program finished with exit code 0
Press ENTER to exit console.

```