

```
#include<stdio.h>
int main()
{
    int a, b, c, d, real, img;
    printf("enter two numbers:");
    scanf("%d%d",&a, &b);
    printf("enter another two numbers:");
    scanf("%d%d",&c, &d);
    printf("first complex number is %d+i%d",a, b);
    printf("\nsecond complex number is %d+i%d", c, d);
    real=a+c;
    img=b+d;
    printf("\n sum of these complex numbers is=%d+i%d",real,img);
    return 0;
}
```

```
enter two numbers:1 2
enter another two numbers:3 4
first complex number is 1+i2
second complex number is 3+i4
sum of these complex numbers is=4+i6
[Process completed - press Enter]
```

```
1 #include<stdio.h>
2 int main()
3 {
4 int P, T, R, simpleinterest;
5 printf("principle amount:");
6 scanf("%d", &P);
7 printf("time:");
8 scanf("%d", &T);
9 printf("interest rate:");
10 scanf("%d", &R);
11 simpleinterest=(P*R*T)/100;
12 printf("simple interest=%d", simpleinterest);
13 return 0;
14 }
```

```
principle amount:1000
time:5
interest rate:10
simple interest=500
[Process completed - press Enter]
```

```

1 #include <stdio.h>
2 #include <math.h>
3
4 void main()
5 {
6     float p , r, t, i;
7
8     printf("Enter principal amount: ");
9     scanf("%f", &p);
10    printf("Enter rate of interest: ");
11    scanf("%f", &r);
12    printf("Enter time in years: ");
13    scanf("%f", &t);
14
15
16    i = p * (pow(1 + r / 100, t)) ;
17
18
19    printf(" compound interest = %f\n", i);
20
21
22 }

```

```

Enter principal amount: 1000
Enter rate of interest: 10
Enter time in years: 5
    compound interest = 1610.510132

```

[Process completed (code 33) - press Enter]

```
1 #include<stdio.h>
2 #include<math.h>
3 int main()
4 {
5     int a, b, c, d, x, y;
6     printf("enter the values of a, b, c:");
7     scanf("%d%d%d", &a, &b, &c);
8     d=sqrt((b*b)-4*a*c);
9     x=-b+d/2*a;
10    y=-b-d/2*a;
11    printf("x=%d and y=%d", x, y);
12    return 0;
13 }
```

```
enter the values of a, b, c:1 2 3
x=-2 and y=-2
[Process completed - press Enter]
```