

## Question No-15:

//Program to calculate the value of  $(a+b)^2$

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

```
int main()
```

```
{
```

```
    float a,b,c;
```

```
    a=b=c=0;
```

```
    printf("Enter the value of a :");
```

```
    scanf("%f",&a);
```

```
    printf("Enter the value of b :");
```

```
    scanf("%f",&b);
```

```
    c=(a+b)*(a+b);
```

```
    c=a*a+b*b+2*a*b;
```

```
    printf("The value of  $(a+b)^2$  is %.2f",c);
```

```
    getch();
```

```
    return 0;
```

```
}
```

```
C:\Users\hp\lab.c\015_(a+b)^2 X + v
Enter the value of a :1
Enter the value of b :1
The value of (a+b)*(a+b) is 4.00
Process returned 0 (0x0)   execution time : 17.422 s
Press any key to continue.
```