

**Aim:**

Write a simple program that converts one given datatype to another using auto conversion. Take a double value from the user and convert it into integer and floating point datatypes.

**Input Format:**

- The input prompts the user to enter a double-precision floating-point number.

**Output Format:**

The program outputs the following each on a new line:

- The integer value obtained by converting the input.
- The floating-point value with two decimal places.

**Sample Test Case:**

```
Enter a value: 12345.67890
Value as an integer: 12345
Value as a float: 12345.68
```

**Note:** Add new line char \n at the end of output.

**Source Code:**

[typeconversion.c](#)

```
#include<stdio.h>
void main(){
    double a;
    int b;
    float c;
    printf("Enter a value: ");
    scanf("%lf",&a);
    b = (int)a;
    c = (float)a;
    printf("Value as an integer: %d\n",b);
    printf("Value as a float: %.2f\n",c);
}
```

**Execution Results - All test cases have succeeded!****Test Case - 1****User Output**

```
Enter a value: 12345.67890
```

```
Value as an integer: 12345
```

```
Value as a float: 12345.68
```

**Test Case - 2****User Output**

```
Enter a value: 12
```

Value as an integer: 12

Value as a float: 12.00