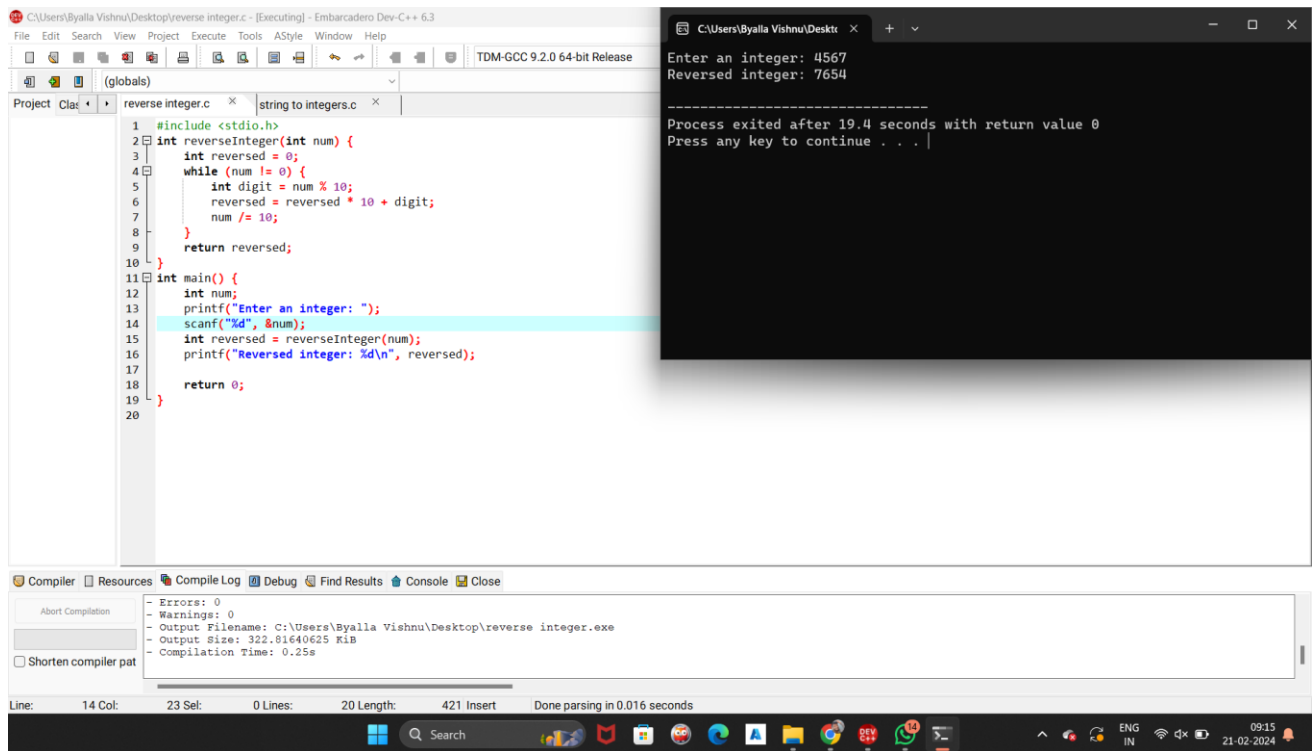


C programming

day -2 test



The screenshot shows an IDE with two windows. The left window displays the source code for `reverse integer.c`, and the right window shows the program's output.

```
1 #include <stdio.h>
2 int reverseInteger(int num) {
3     int reversed = 0;
4     while (num != 0) {
5         int digit = num % 10;
6         reversed = reversed * 10 + digit;
7         num /= 10;
8     }
9     return reversed;
10 }
11 int main() {
12     int num;
13     printf("Enter an integer: ");
14     scanf("%d", &num);
15     int reversed = reverseInteger(num);
16     printf("Reversed integer: %d\n", reversed);
17 }
18
19
20
```

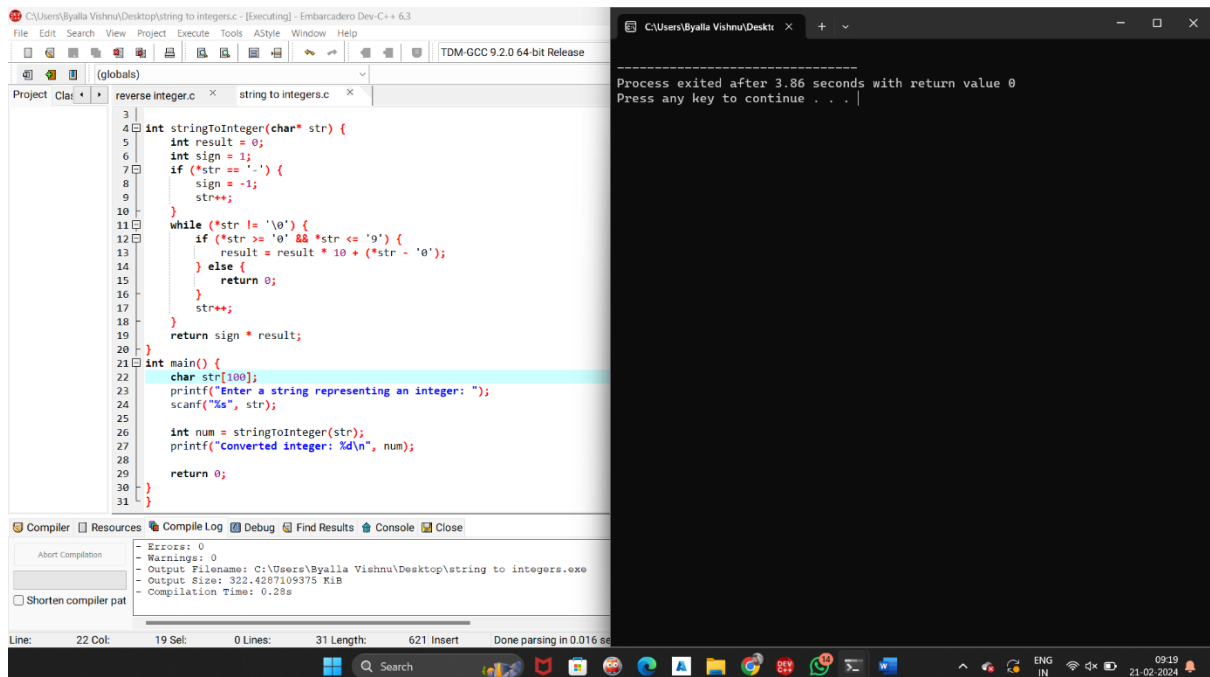
Output:

```
Enter an integer: 4567
Reversed integer: 7654

-----
Process exited after 19.4 seconds with return value 0
Press any key to continue . . .
```

Compiler output:

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Byalla Vishnu\Desktop\reverse integer.exe
- Output Size: 322.81640625 Kib
- Compilation Time: 0.25s
```



The screenshot shows an IDE with two windows. The left window displays the source code for `string to integers.c`, and the right window shows the program's output.

```
3
4 int stringToInteger(char* str) {
5     int result = 0;
6     int sign = 1;
7     if (*str == '-') {
8         sign = -1;
9         str++;
10    }
11    while (*str != '\0') {
12        if (*str >= '0' && *str <= '9') {
13            result = result * 10 + (*str - '0');
14        } else {
15            return 0;
16        }
17        str++;
18    }
19    return sign * result;
20 }
21 int main() {
22     char str[100];
23     printf("Enter a string representing an integer: ");
24     scanf("%s", str);
25
26     int num = stringToInteger(str);
27     printf("Converted integer: %d\n", num);
28
29     return 0;
30 }
31
```

Output:

```
-----
Process exited after 3.86 seconds with return value 0
Press any key to continue . . .
```

Compiler output:

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Byalla Vishnu\Desktop\string to integers.exe
- Output Size: 322.4287109375 Kib
- Compilation Time: 0.28s
```

