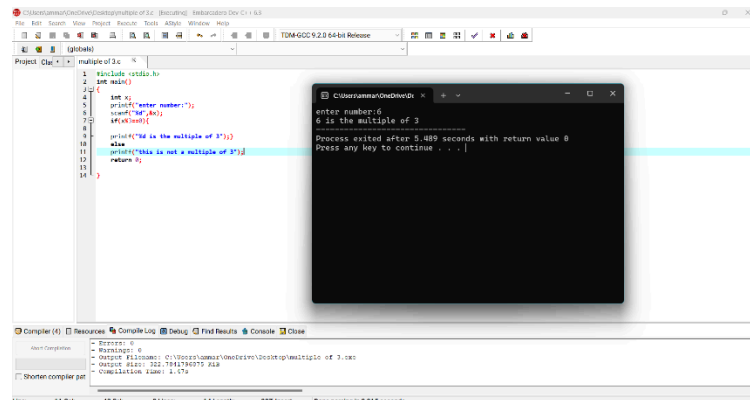
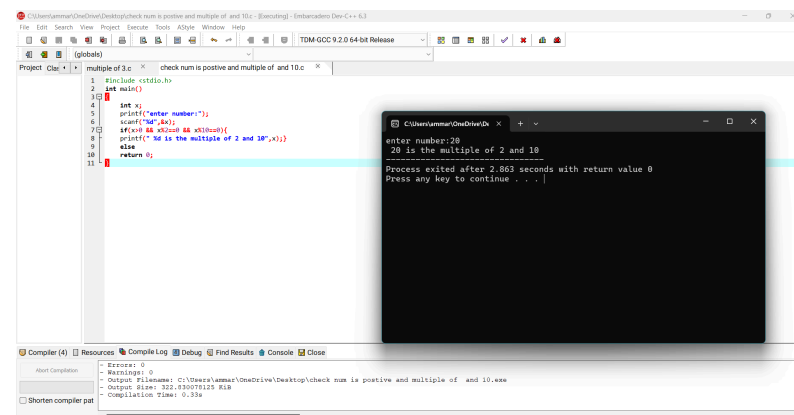


Lab4

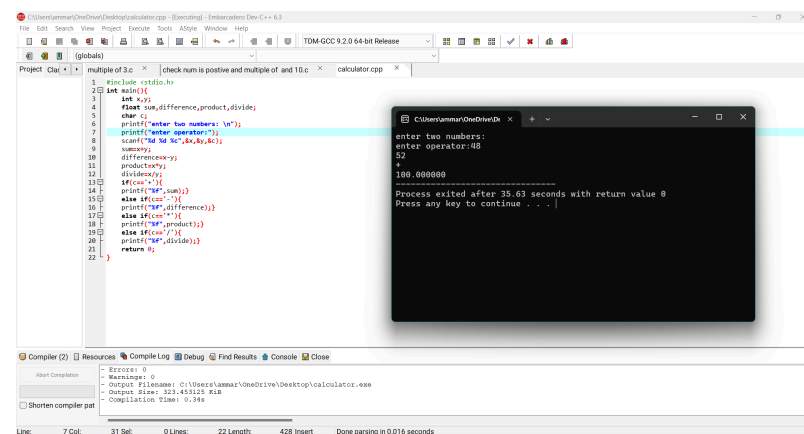
Q1. Multiple of 3 or not



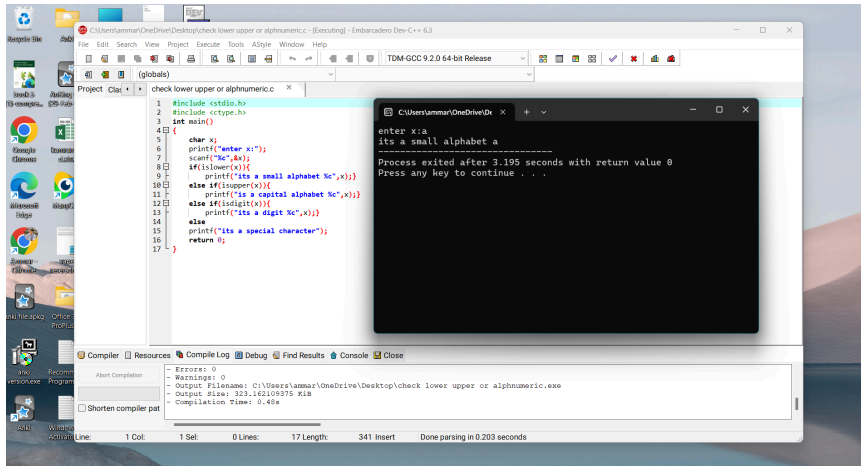
Q2. Input number should be positive multiple of 2 and 10



Q3. Simple calculator



Q4. Check whether x is a lower, upper, digit or special character

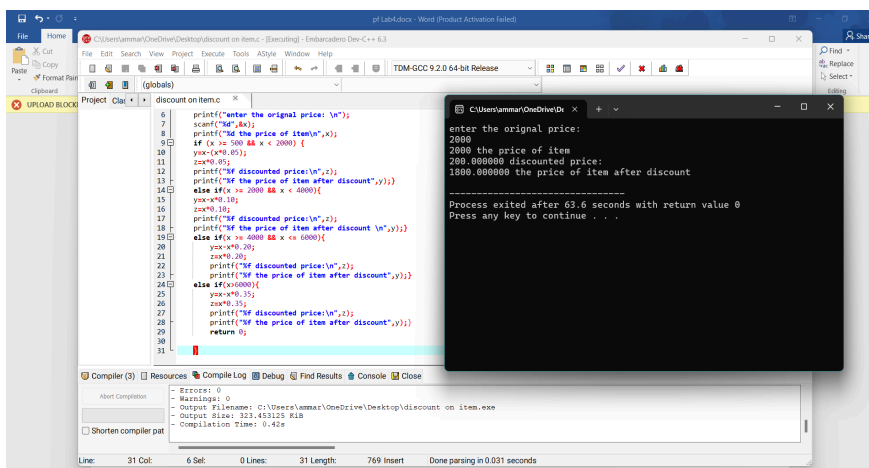


The screenshot shows an IDE with a C++ program that checks if a character is lowercase, uppercase, digit, or special. The code is as follows:

```
1 #include <stdio.h>
2 #include <ctype.h>
3 int main()
4 {
5     char x;
6     printf("enter x:");
7     scanf("%c",&x);
8     if(islower(x)){
9         printf("its a small alphabet %c",x);
10    }
11    else if(isupper(x)){
12        printf("its a capital alphabet %c",x);
13    }
14    else if(isdigit(x)){
15        printf("its a digit %c",x);
16    }
17    else
18        printf("its a special character");
19    return 0;
20 }
```

The console output shows the user entering 'a', which is correctly identified as a small alphabet. The process exited after 3.195 seconds.

Q5. Price of item after discount

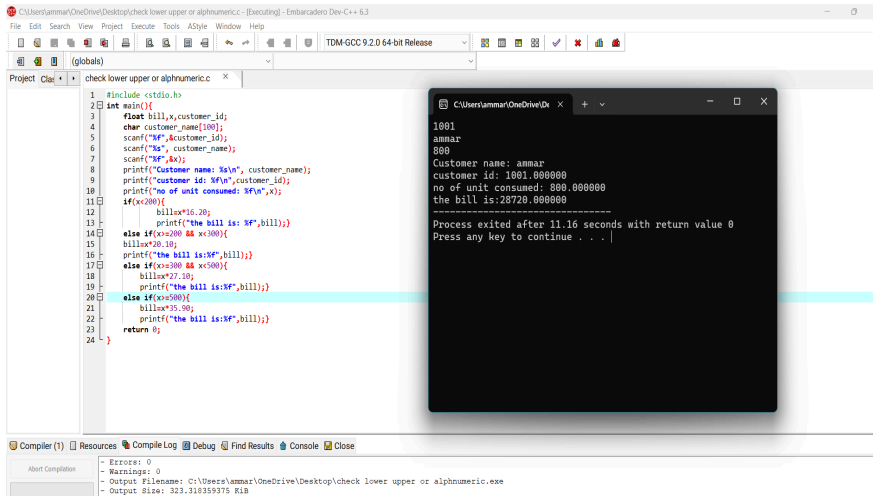


The screenshot shows an IDE with a C++ program that calculates the price of an item after a discount based on the original price. The code is as follows:

```
6 printf("enter the original price: \n");
7 scanf("%d",&x);
8 printf("the price of item is %d",x);
9 if (x >= 500 && x < 2000) {
10     x=x*0.8;
11     printf("the price of item after discount is %d",x);
12 }
13 else if (x >= 2000 && x < 4000) {
14     x=x*0.7;
15     printf("the price of item after discount is %d",x);
16 }
17 else if (x >= 4000 && x < 6000) {
18     x=x*0.6;
19     printf("the price of item after discount is %d",x);
20 }
21 else if (x >= 6000 && x < 8000) {
22     x=x*0.5;
23     printf("the price of item after discount is %d",x);
24 }
25 else if (x >= 8000 && x < 10000) {
26     x=x*0.4;
27     printf("the price of item after discount is %d",x);
28 }
29 else
30     printf("the price of item after discount is %d",x);
31 return 0;
32 }
```

The console output shows the user entering 2000, which results in a 20% discount, leading to a final price of 1600. The process exited after 63.6 seconds.

Q6. Bill of unit consumed



Q7. Print from 0 to 9 in words or greater than 9 in word

