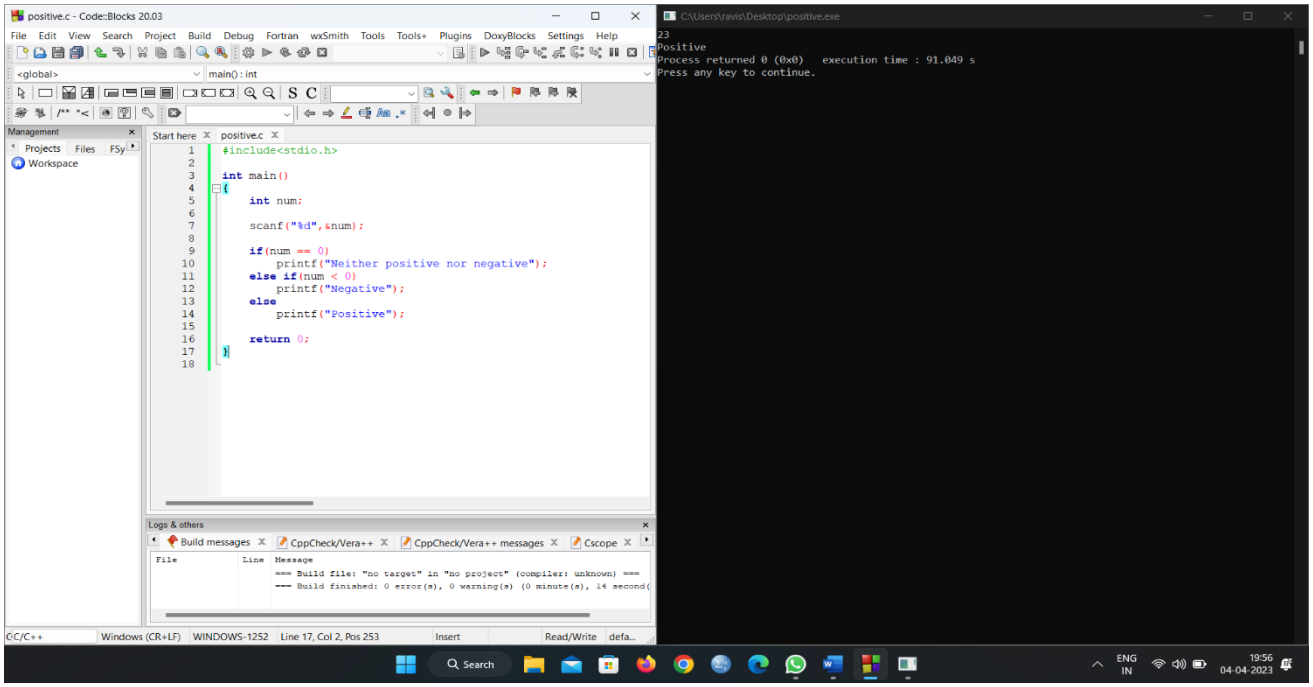
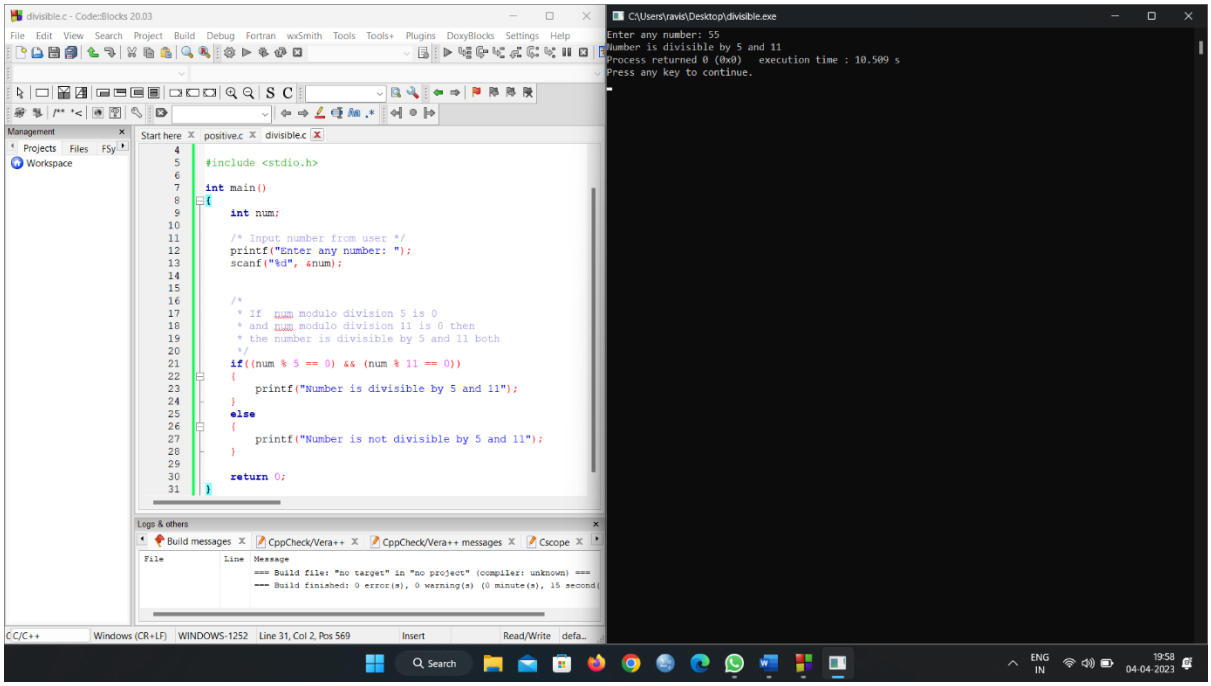
Assignment-1

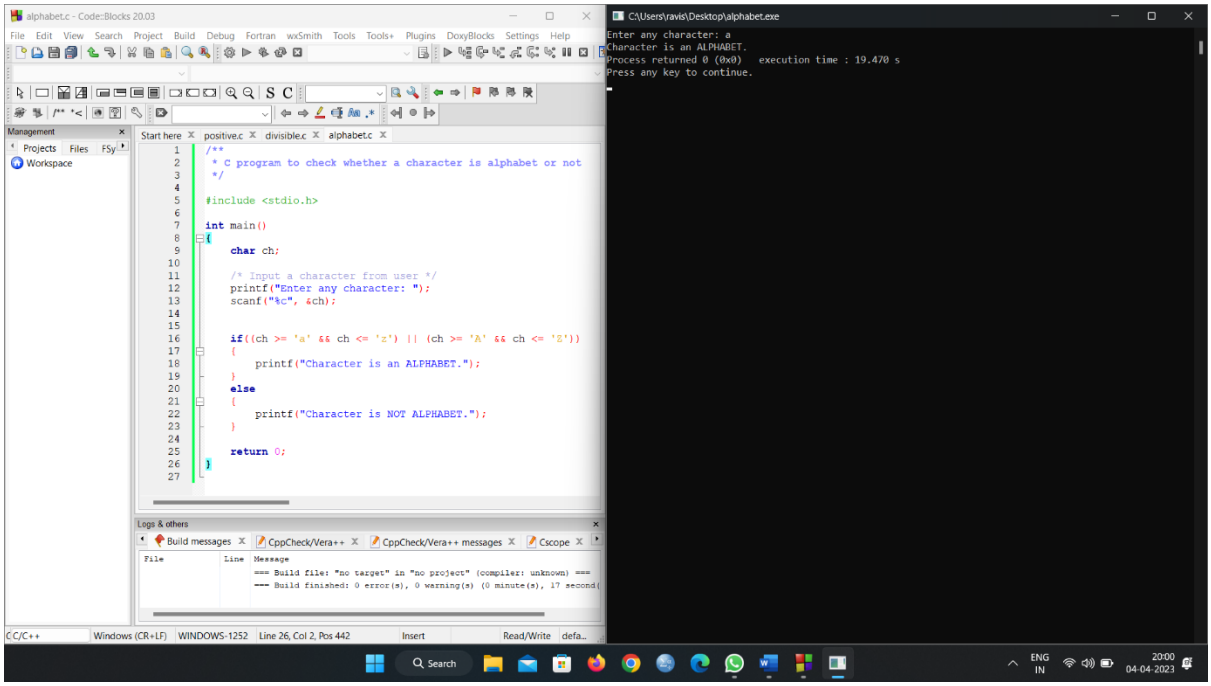
1.



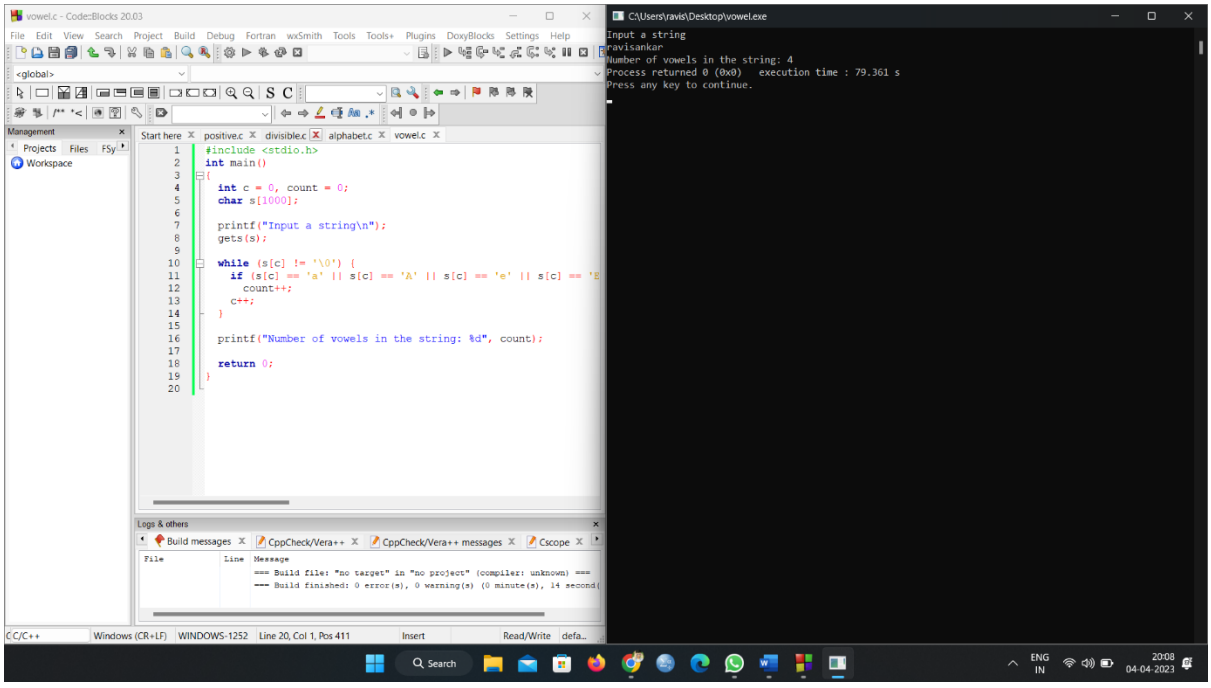
2.



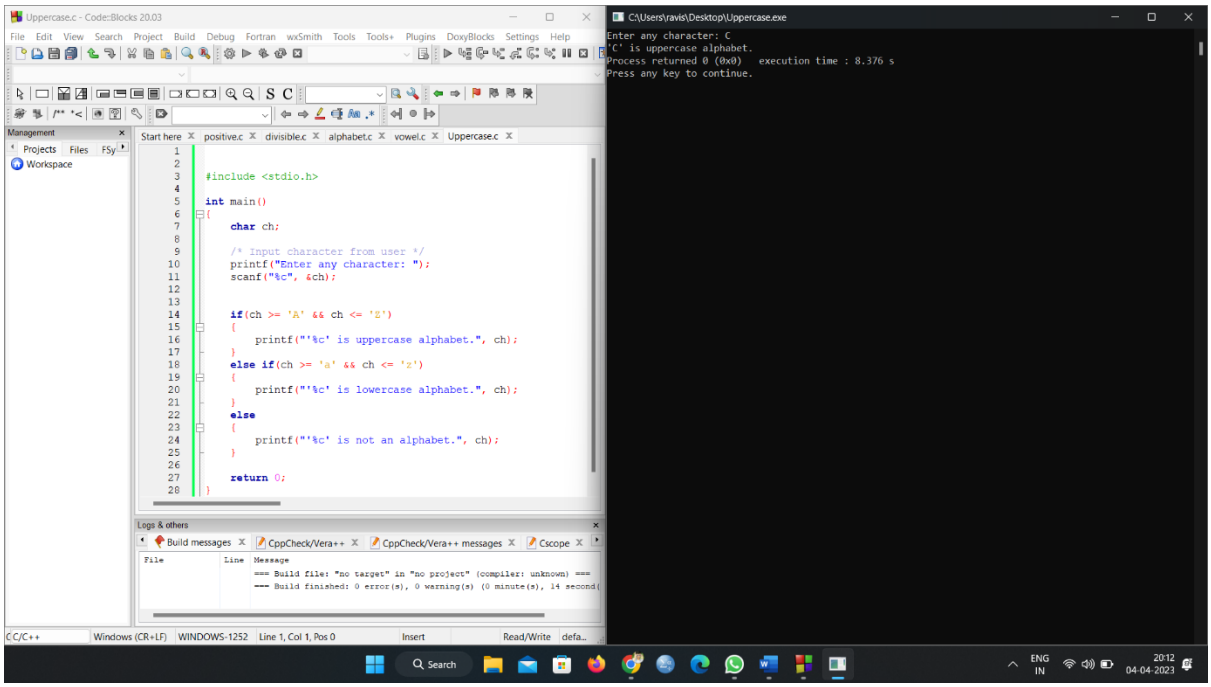
3.


alphabet.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\alphabet.exe
Enter any character: a
Character is an ALPHABET.
Process returned 0 (0x0) execution time : 19.470 s
Press any key to continue.
/**
* C program to check whether a character is alphabet or not
*/
#include <stdio.h>
int main()
{
char ch;
/* Input a character from user */
printf("Enter any character: ");
scanf("%c", &ch);
if((ch >= 'a' && ch <= 'z') || (ch >= 'A' && ch <= 'Z'))
{
printf("Character is an ALPHABET.");
}
else
{
printf("Character is NOT ALPHABET.");
}
return 0;
}

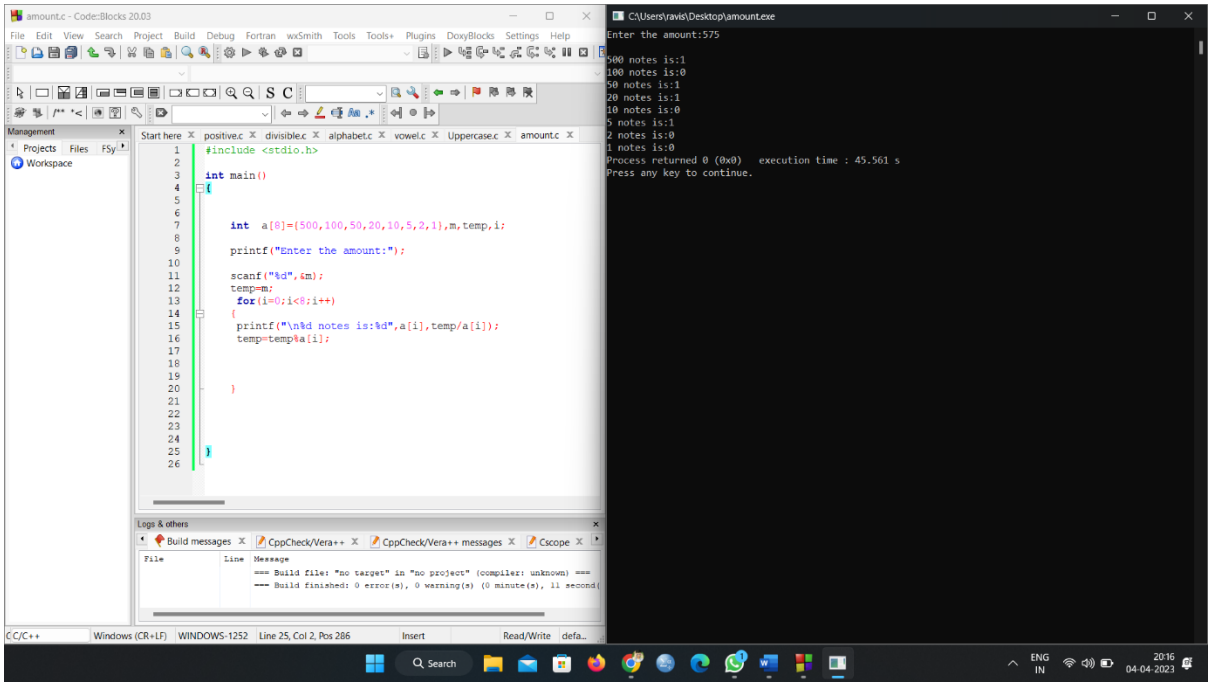
4.


vowel.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\vowel.exe
Input a string
ravisankar
Number of vowels in the string: 4
Process returned 0 (0x0) execution time : 79.361 s
Press any key to continue.
#include <stdio.h>
int main()
{
int c = 0, count = 0;
char s[1000];
printf("Input a string\n");
gets(s);
while (s[c] != '\0') {
if (s[c] == 'a' || s[c] == 'A' || s[c] == 'e' || s[c] == 'E
count++;
c++;
}
printf("Number of vowels in the string: %d", count);
return 0;
}

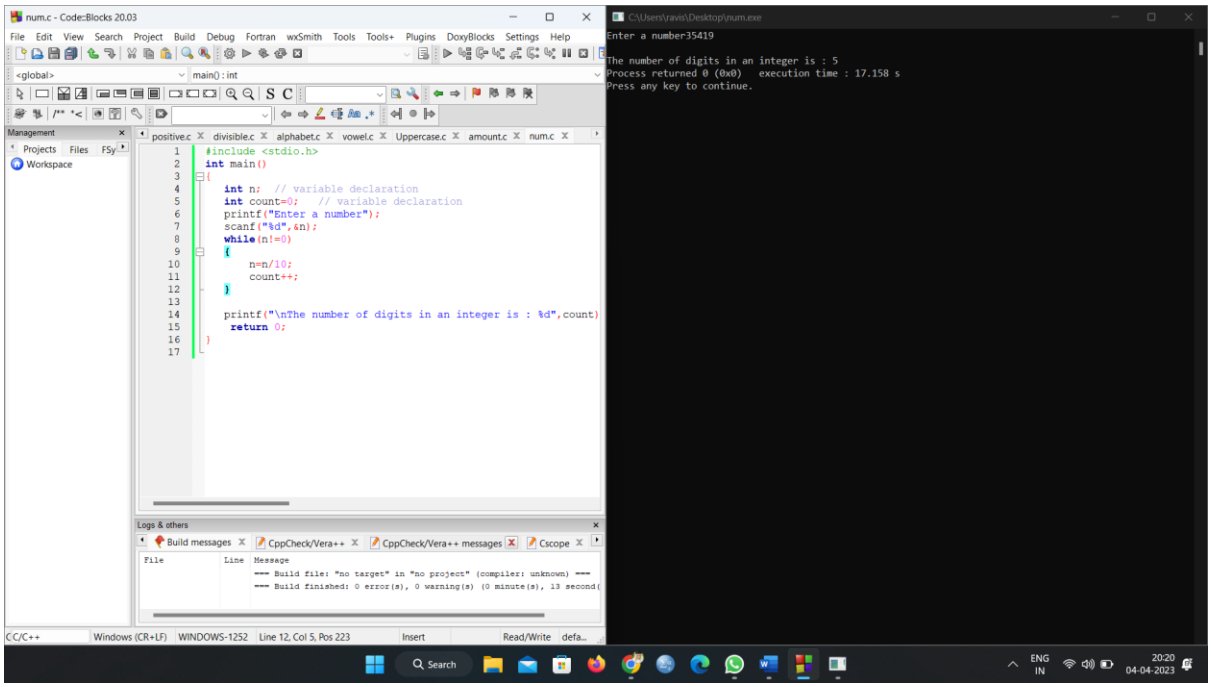
5.


Uppercase.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\Uppercase.exe
Enter any character: C
'C' is uppercase alphabet.
Process returned 0 (0x0) execution time : 8.376 s
Press any key to continue.
#include <stdio.h>
int main()
{
char ch;
/* Input character from user */
printf("Enter any character: ");
scanf("%c", &ch);
if(ch >= 'A' && ch <= 'Z')
printf("'%c' is uppercase alphabet.", ch);
else if(ch >= 'a' && ch <= 'z')
printf("'%c' is lowercase alphabet.", ch);
else
printf("'%c' is not an alphabet.", ch);
return 0;
}

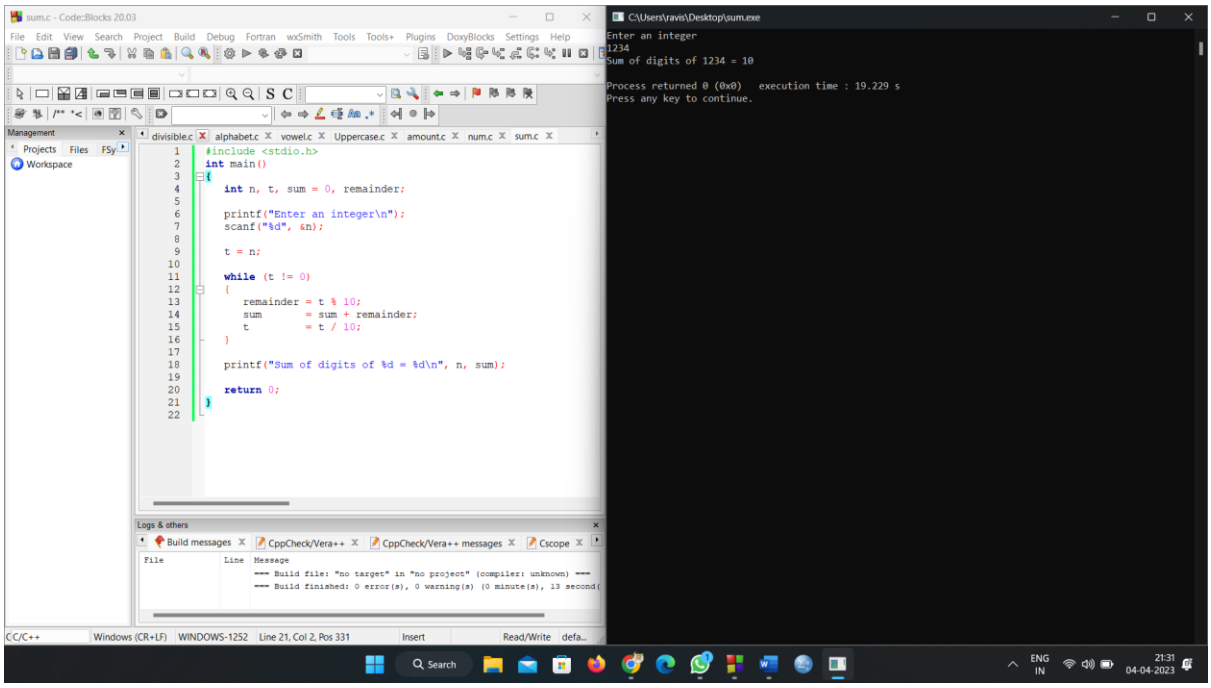
6


amount.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\amount.exe
Enter the amount:575
500 notes is:1
100 notes is:0
50 notes is:1
20 notes is:1
10 notes is:0
5 notes is:1
2 notes is:0
1 notes is:0
Process returned 0 (0x0) execution time : 45.561 s
Press any key to continue.
#include <stdio.h>
int main()
{
int a[8]={500,100,50,20,10,5,2,1},m,temp,i;
printf("Enter the amount:");
scanf("%d",&m);
temp=m;
for(i=0;i<8;i++)
{
printf("\n%d notes is:%d",a[i],temp/a[i]);
temp=temp%a[i];
}

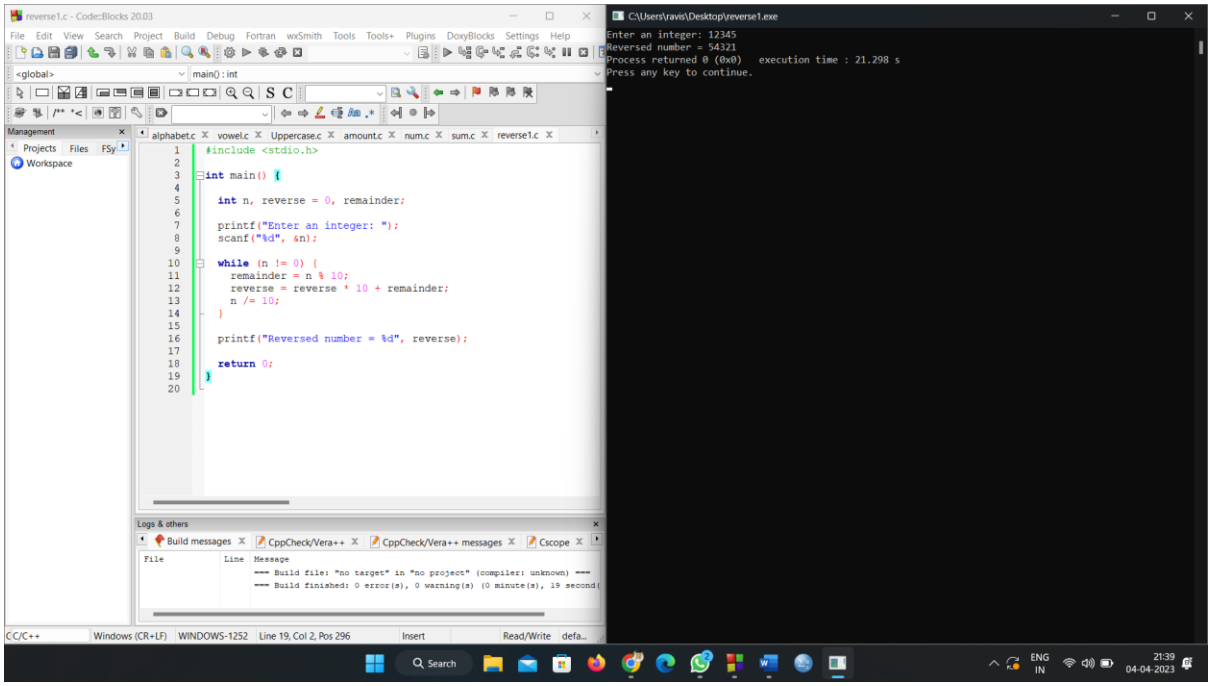
7


num.c - Code::Blocks 20.03
#include <stdio.h>
int main()
{
int n; // variable declaration
int count=0; // variable declaration
printf("Enter a number");
scanf("%d",&n);
while(n!=0)
{
n=n/10;
count++;
}
printf("\nThe number of digits in an integer is : %d",count)
return 0;
}
C:\Users\ravis\Desktop\num.exe
Enter a number35419
The number of digits in an integer is : 5
Process returned 0 (0x0) execution time : 17.158 s
Press any key to continue.

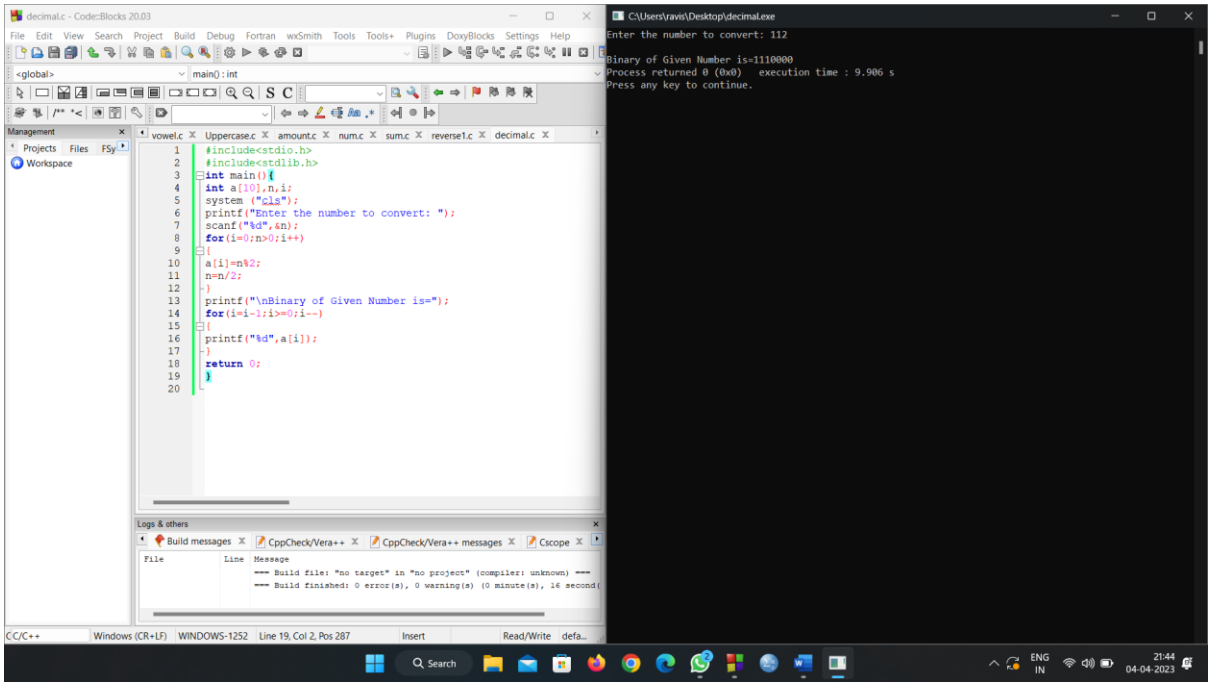
8.


sum.c - Code::Blocks 20.03
#include <stdio.h>
int main()
{
int n, t, sum = 0, remainder;
printf("Enter an integer\n");
scanf("%d", &n);
t = n;
while (t != 0)
{
remainder = t % 10;
sum = sum + remainder;
t = t / 10;
}
printf("Sum of digits of %d = %d\n", n, sum);
return 0;
}
C:\Users\ravis\Desktop\sum.exe
Enter an integer
1234
Sum of digits of 1234 = 10
Process returned 0 (0x0) execution time : 19.229 s
Press any key to continue.

9.


reverse1.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\reverse1.exe
Enter an integer: 12345
Reversed number = 54321
Process returned 0 (0x0) execution time : 21.298 s
Press any key to continue.
#include <stdio.h>
int main() {
int n, reverse = 0, remainder;
printf("Enter an integer: ");
scanf("%d", &n);
while (n != 0) {
remainder = n % 10;
reverse = reverse * 10 + remainder;
n /= 10;
}
printf("Reversed number = %d", reverse);
return 0;
}

10.


decimal.c - Code::Blocks 20.03
C:\Users\ravis\Desktop\decimal.exe
Enter the number to convert: 112
Binary of Given Number is=1110000
Process returned 0 (0x0) execution time : 9.906 s
Press any key to continue.
#include<stdio.h>
#include<stdlib.h>
int main(){
int a[10],n,i;
system ("cls");
printf("Enter the number to convert: ");
scanf("%d",&n);
for(i=0;n>0;i++)
{
a[i]=n%2;
n=n/2;
}
printf("\nBinary of Given Number is=");
for(i=i-1;i>=0;i--)
{
printf("%d",a[i]);
}
return 0;
}