HEXADECIMAL TO DECIMAL CONVERSION

EXP NO: 27

AIM:To write a C program to implement hexadecimal to decimal conversion.

ALGORITHM:

1) Start from the right-most digit. Its weight (or coefficient) is 1.

2) Multiply the weight of the position by its digit. Add the product to the result.(0=0, 1=1,2=2, … 9=9, A=10, B=11,
C=12, D=13, E=14,F=15)

3) Move one digit to the left. Its weight is 16 times the previous weight.

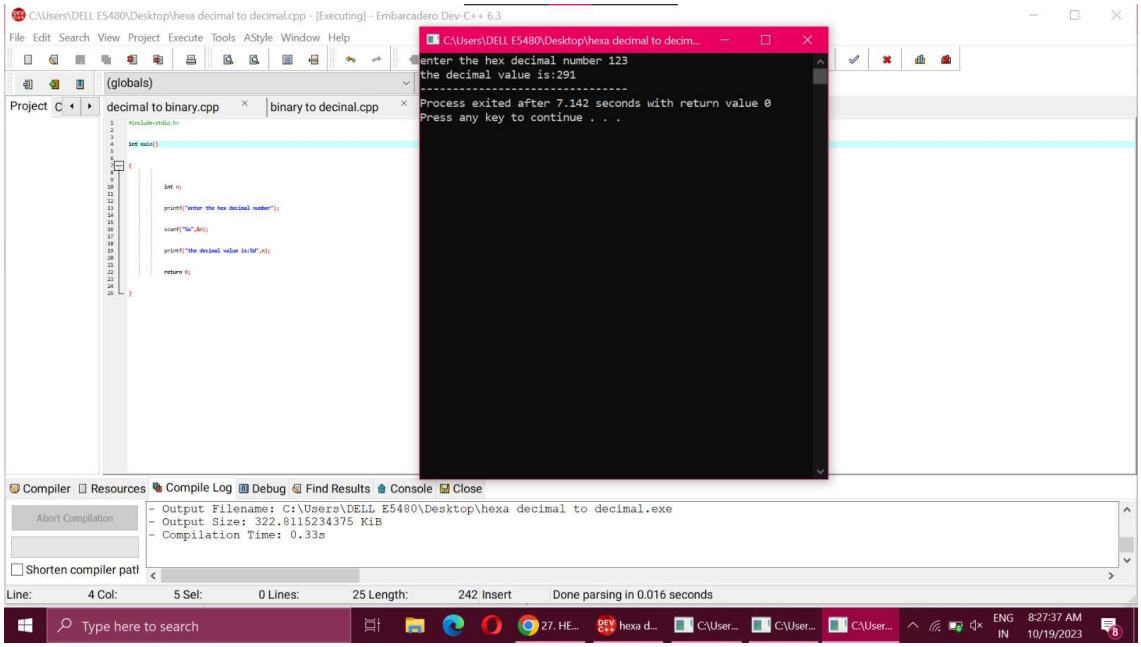
4) Repeat 2 and 3 until you go through all hexadecimal digits.

PROGRAM:

```
#include<stdio.h>

Int main()

{

int n;

printf("enter the hex decimal number");

scanf("%x",&n);

printf("the decimal value is:%d",n);

return 0;

}
```

INPUT:

OUTPUT:



RESULT: Thus the program was executed successfully using DevC++.