HEXADECIMAL TO DECIMAL CONVERSION

EXP NO: 22

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.

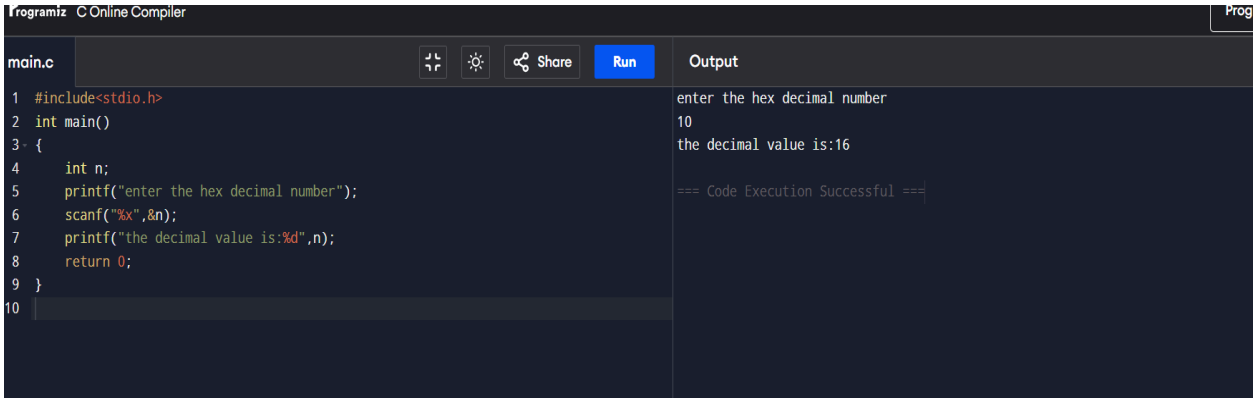
PROGRAM:

```
#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:

10

OUTPUT:



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