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 decimalnumber");
    scanf("%x",&n);
    printf("the decimal valueis:%d",n);
    return 0;
```

INPUT&OUTPUT:

}

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