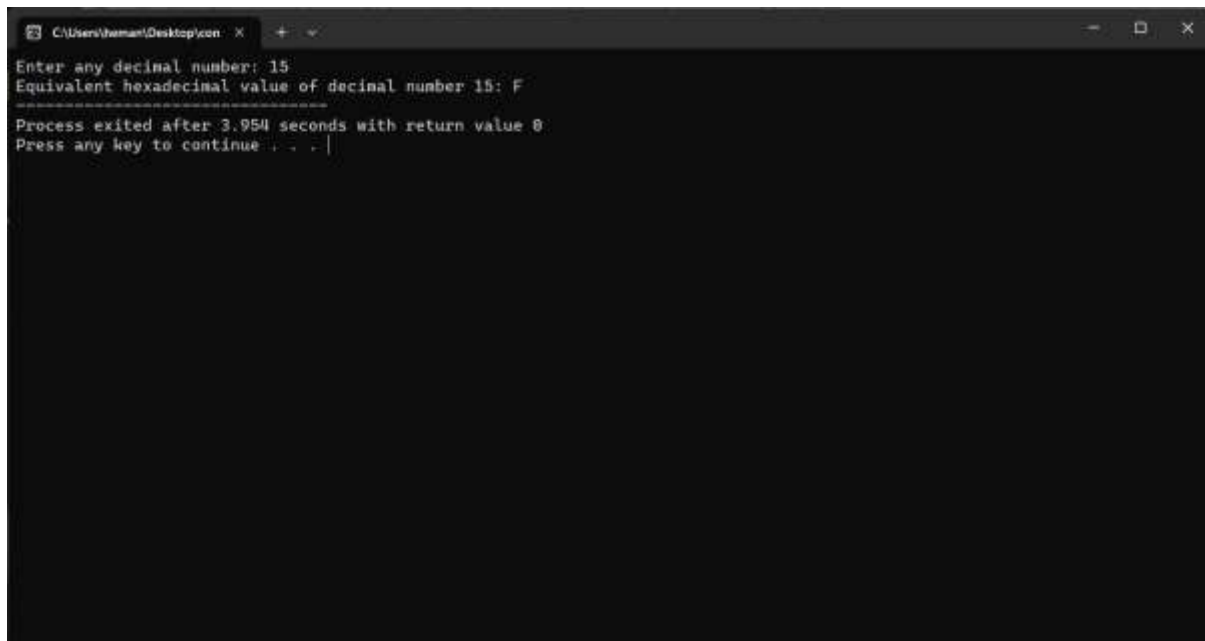


46-convert decimal to Hexadecimal

```
#include<stdio.h>
int main()
{
    long int decimalNumber,remainder,quotient;
    int i=1,j,temp;
    char hexadecimalNumber[100];
    printf("Enter any decimal number: ");
    scanf("%ld",&decimalNumber);
    quotient = decimalNumber;
    while(quotient!=0) {
        temp = quotient % 16;
        //To convert integer into character
        if( temp < 10)
            temp =temp + 48; else
            temp = temp + 55;
        hexadecimalNumber[i++]= temp;
        quotient = quotient / 16;
    }
    printf("Equivalent hexadecimal value of decimal number %d: ",decimalNumber);
    for (j = i -1 ;j> 0;j--)
        printf("%c",hexadecimalNumber[j]);
    return 0;
}
```



The screenshot shows a Windows command prompt window with the title bar "C:\Users\hemant\Desktop\con". The window contains the following text:

```
Enter any decimal number: 15
Equivalent hexadecimal value of decimal number 15: F
-----
Process exited after 3.954 seconds with return value 0
Press any key to continue . . .
```