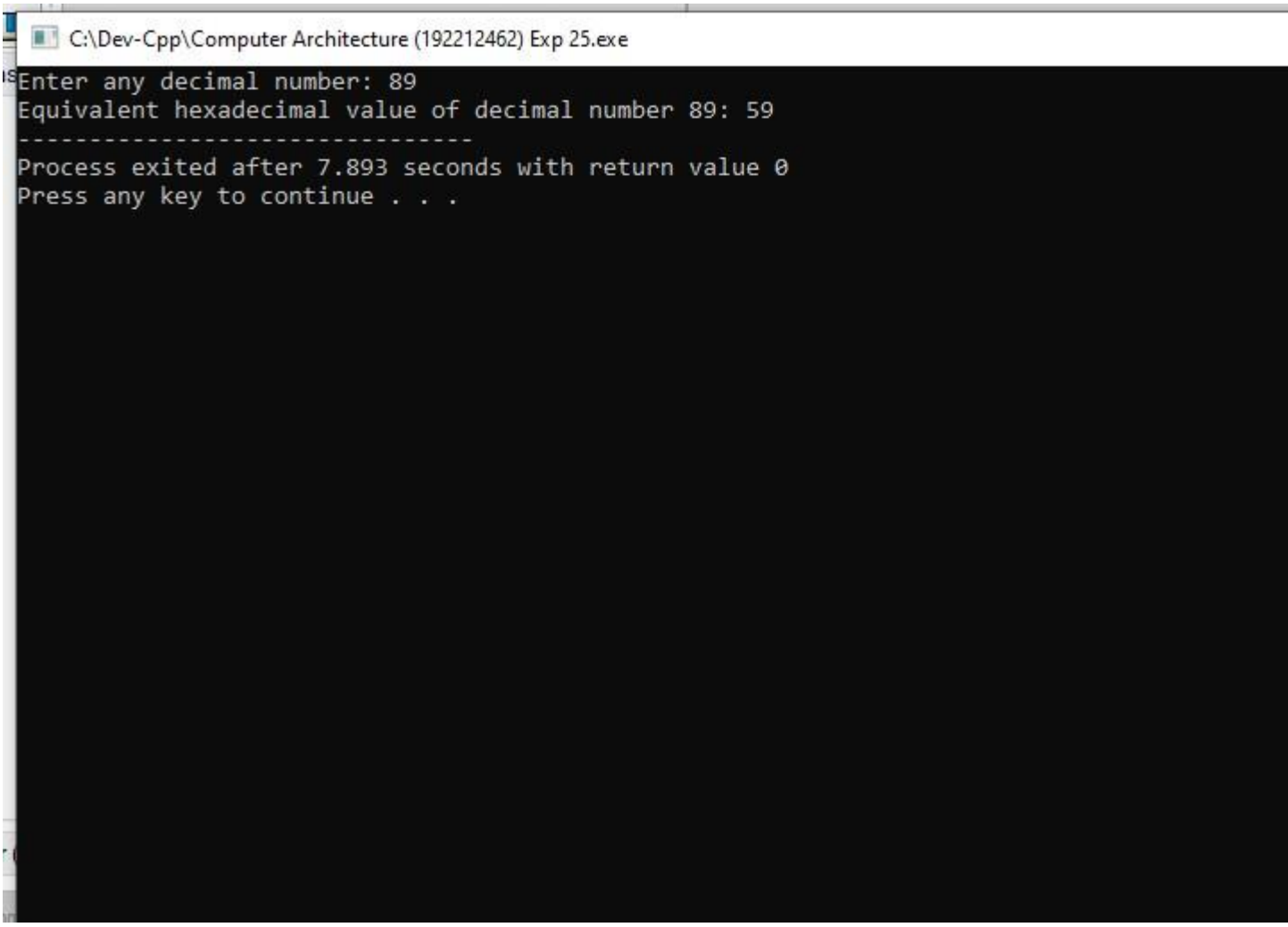
DECIMAL TO HEXADECIMAL CONVERSION:

PROGRAM:

```
#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;


}
```

INPUT & OUTPUT:



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