**C code to 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;

}

**Sample output:**

Enter any decimal number: 45

Equivalent hexadecimal value of decimal number 45: 2D