

```
#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;

}

```

**OUTPUT;**

**Enter any decimal number: 55**

**Equivalent hexadecimal value of decimal number 55: 37**