decToHexStr

Write a C function decTohexStr() that takes in two parameters on a string ***str*** and a decimal integer ***num***, converts ***num*** into its equivalent hexadecimal number (i.e. with base value of 16), stores it into the string ***str*** and returns ***str*** to the calling function using call be reference.

A sample program template is given below:

```
#include <stdio.h>
#include <string.h>
void decTohexStr(char *str, int num);
int main()
{
   int num,i;
   char str[20];
   printf("Enter a decimal number: \n");
   scanf("%d",&num);
   decTohexStr(str,num);
   printf("decTohexStr(): %s\n",str);
   return 0;
}
void decTohexStr(char *str, int num)
{
   /* Write your code here */
}
```

Some test input and output sessions are given below:

(1) Test Case 1

```
Enter a decimal number:
5
decTohexStr(): 5
```

(2) Test Case 2

```
Enter a decimal number:
30
decTohexStr(): 1E
```

(3) Test Case 3

```
Enter a decimal number:
100
decTohexStr(): 64
```

(4) Test Case 4

```
Enter a decimal number:
300
decTohexStr(): 12C
```