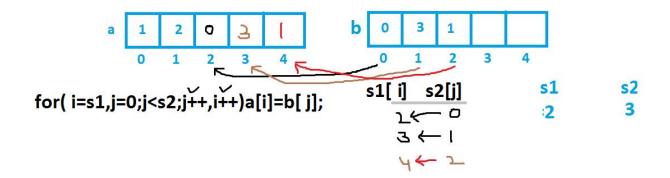
Deleting duplicate elements from array:

```
Line 17 Col 19 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h> #include<conio.h>
void main()
int a[100], i,n,k,j; clrscr();
printf("Enter array size 1 - 100 ");scanf("%d",&n);
printf("Enter %d integers",n); for(i=0;i<n;i++)scanf("%d",&a[i]);</pre>
for(i=0; i<n;i++)
for(j=i+1;j<n;j++)
if(a[i]==a[j]){for( n--,k=j;k<n;k++) a[k]=a[k+1];j--;}
printf("Elements are ");for(i=0;i<n;i++)printf("%4d",a[i]);</pre>
getch();
Enter array size 1 - 100 9
Enter 9 integers1 2 3 1 2 3 1 2 3
Elements are 1 	 2 	 3
🛨 🚞 📓 🔣 🖄 🧭 🎉 🥒 🧿 😘
                                                         _____ ^ № Î () ...il 9:27 AM
```

```
- 0 ×
Enter array size 1 - 100 5
Enter 5 integers1 1 1 1 1
Elements are 1_{\_}
9:28 A
 for(i=0;i<n;i++)
 {
 for(j=i+1;j<n;j++)
                                                       <u>K</u> <u>K+1</u> 3
 if(a[i]==a[j])
                                                        3 ← 4
                                                        2←3
 for(n--, k=j;k<n;k++)a[k]=a[k+1];
                                                        3 < 3
 j--;
 }
```

Merging or arryas:

```
File Edit
               Run
                    Compile Project Options Debug
                                                      Break/watch
                      Insert Indent Tab Fill Unindent * E:9AM.C
     Line 2
               Col 1
#include<stdio.h>
#include<conio.h>
void main()
int a[100],b[100], i,s1,s2,j; clrscr();
printf("Enter 1st, 2nd array sizes 1 - 100 ");scanf("%d%d",&s1,&s2);
printf("Enter %d integers for a array ",s1);
for(i=0;i<s1;i++)scanf("%d",&a[i]);
printf("Enter %d integers for b array ",s2);
for(i=0;i<s2;i++)scanf("%d",&b[i]);
for(i=s1,j=0; j<s2;i++,j++) a[i]=b[j];
for(i=0;i<s1+s2;i++)
{for(j=i+1;j<s1+s2;j++){if(a[i]>a[j]){int t=a[i];a[i]=a[j];a[j]=t;}}}
printf("Elements are ");for(i=0;i<s1+s2;i++)printf("%4d",a[i]);</pre>
getch();
Enter 1st, 2nd array sizes 1 - 100 4
Enter 4 integers for a array 7 1 -4 7
Enter 5 integers for b array 3 0 1 5 2
Elements are
             -4
                 0
                     1
                       1
                            2 3
                                           7
    9:43 A
```

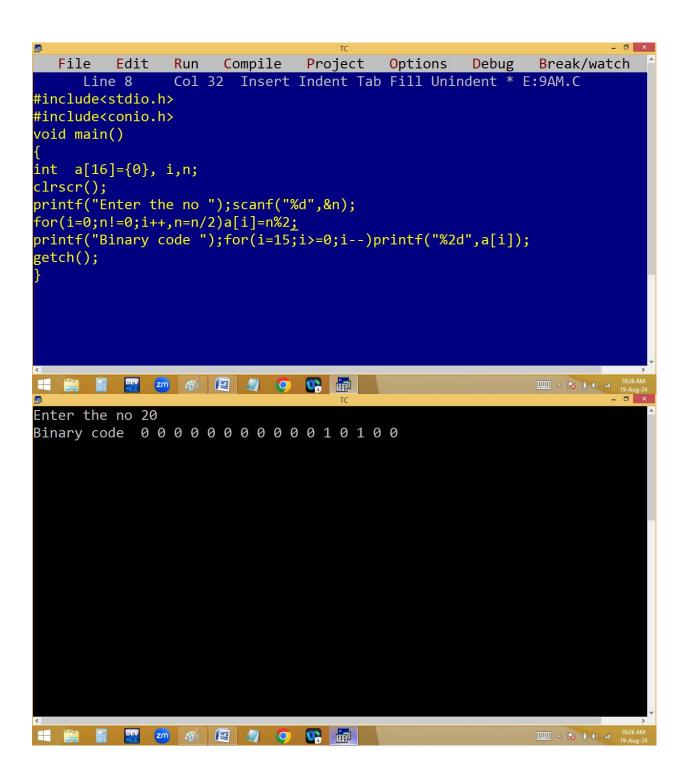


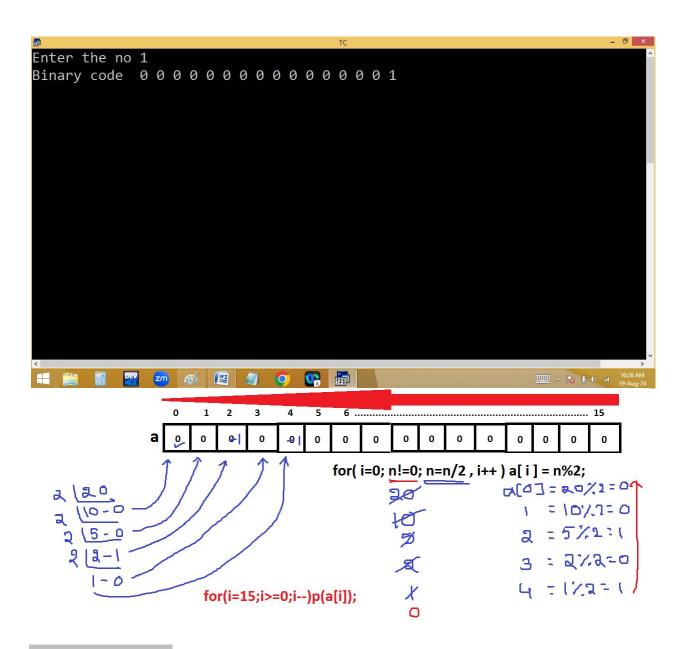
Frequency of array elements:

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int a[100],b[100]={0}, i,j,c,n; clrscr();
printf("Enter array sizes 1 - 100 ");scanf("%d",&n);
printf("Enter %d integers for a array ",n);
for(i=0;i<n;i++)scanf("%d",&a[i]);
for(i=0; i<n;i++)
if(b[i]!=-1)
for(i=0;i<n;i++)if(b[i]!=-1)printf("%d found %d times\n",a[i],b[i]);</pre>
getch();
Enter array sizes 1 - 100 9
Enter 9 integers for a array 1 2 3 1 2 3 4 1 2
1 found 3 times
2 found 3 times
3 found 2 times
4 found 1 times
△ 🔯 🗓 🕩 📶 10:11 AM
```

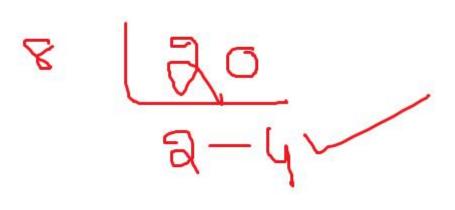
Decimal to binary conversion:

20 → 0000 0000 0001 0100





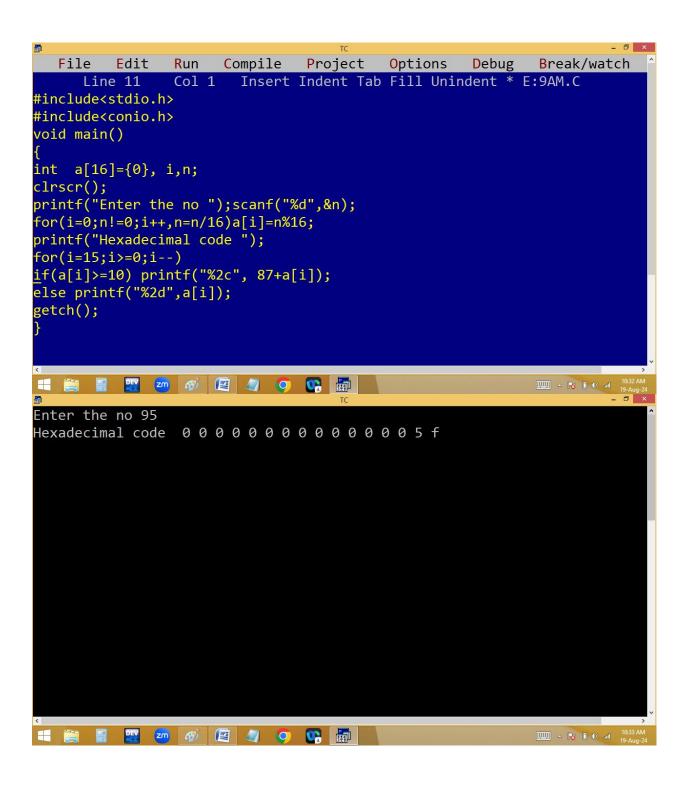
Decimal to octal:

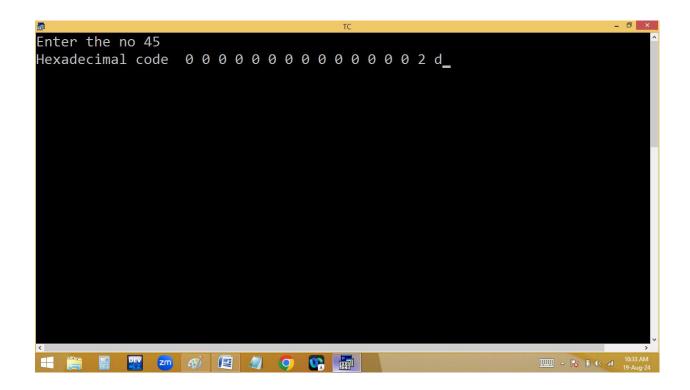


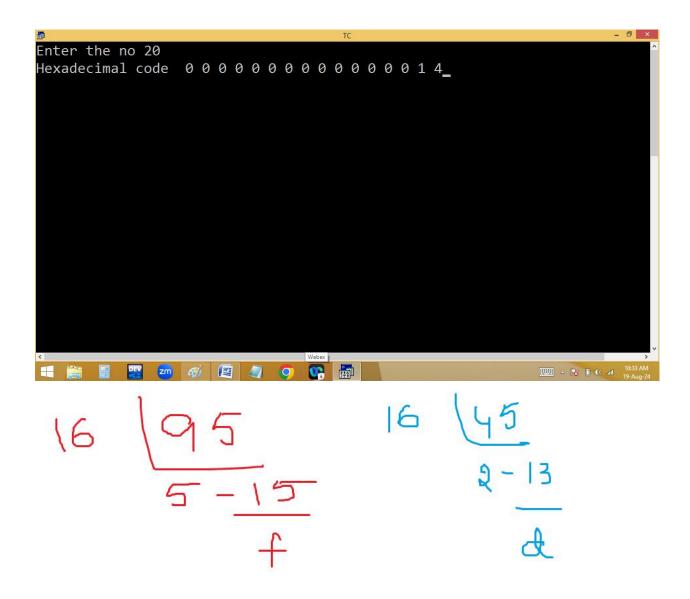
```
_ 0 ×
  File Edit
             Run
                 Compile Project Options Debug Break/watch
             Col 32 Insert Indent Tab Fill Unindent * E:9AM.C
    Line 8
#include<stdio.h>
#include<conio.h>
void main()
int a[16]={0}, i,n;
clrscr();
printf("Enter the no ");scanf("%d",&n);
for(i=0;n!=0;i++,n=n/8)a[i]=n%8<u>;</u>
printf("Octal code ");for(i=15;i>=0;i--)printf("%2d",a[i]);
getch();
Enter the no 20
_____ ^ 10:27 A
```

Hexadecimal:

16/20

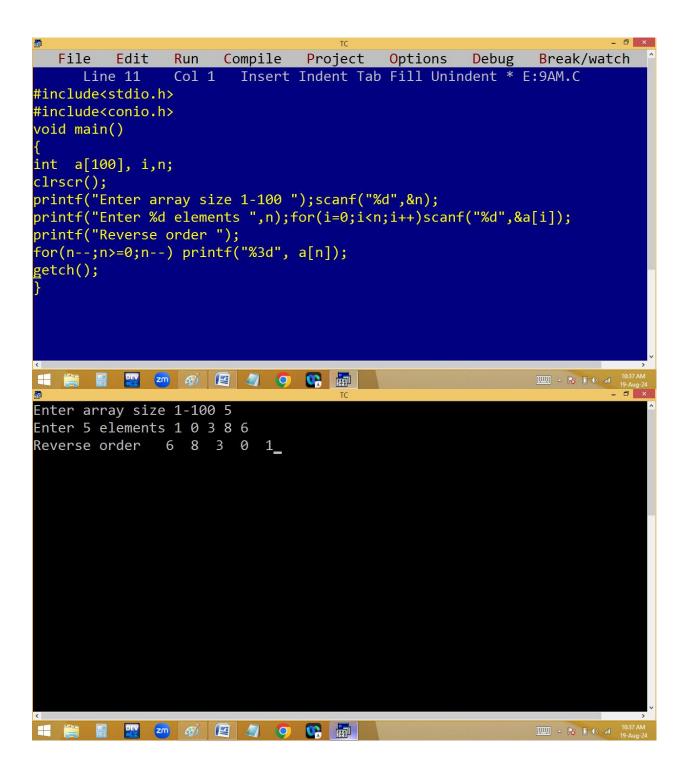






Arranging array elements in reverse order without using 3rd variable:

Method 1 printing in reverse order:



Permanent arrangement:

```
_ 🗇 🗙
  File Edit
             Run
                  Compile Project Options Debug
                                                Break/watch
             Col 38 Insert Indent Tab Fill Unindent * E:9AM.C
    Line 1
#include<stdio.h>
#include<conio.h>
void main()
int a[100], i,n;
clrscr();
printf("Enter array size 1-100 ");scanf("%d",&n);
printf("Enter %d elements ",n);for(i=0;i<n;i++)scanf("%d",&a[i]);</pre>
for(i=0;i<n/2;i++)
printf("Reverse order ");for(i=0;i<n;i++) printf("%3d", a[i]);</pre>
getch();
Enter array size 1-100 5
Enter 5 elements 1 2 3 4 5
Reverse order 5 4 3 2 1
□□□□ △ 🔯 🗓 (I) and 10:45 A
```

