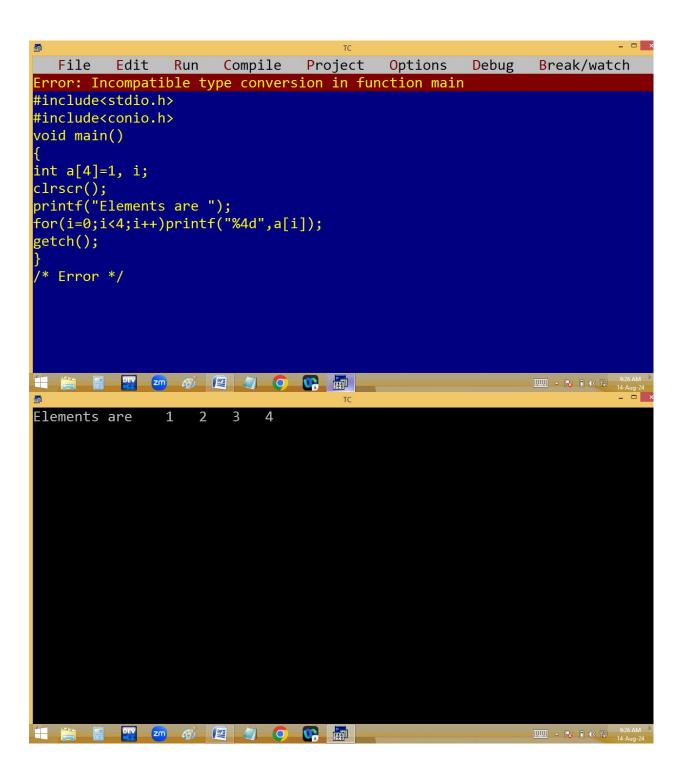
```
File Edit Run
                  Compile Project Options Debug Break/watch
            Col 6 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[4], i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* gr gr gr gr */
File Edit Run Compile Project Options Debug Break/watch
              Col 12 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 11
#include<stdio.h>
#include<conio.h>
int a[4], i;
void main()
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* 0 0 0 0 */
```

```
File
        Edit Run
                   Compile Project
                                     Options 0
                                             Debug
                                                    Break/watch
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
int n=4, a[n]={1,2,3,4}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* Error */
File Edit Run Compile Project Options Debug
                                                    Break/watch
Error: Constant expression required in function main
#include<stdio.h>
#include<conio.h>
void main()
const int n=4, a[n]={1,2,3,4}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* Error */
         9:23 A
```

```
File
        Edit Run
                    Compile Project
                                      Options
                                               Debug Break/watch
             Col 11 Insert Indent Tab Fill Unindent * E:9AM.C
     Line 12
#include<stdio.h>
#include<conio.h>
#define n 4 /* macro */
void main()
int a[n]={1,2,3,4}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* 1 2 3 4 */
File Edit Run Compile
                            Project Options Debug
                                                      Break/watch
Error: Too many initializers in function main
#include<stdio.h>
#include<conio.h>
void main()
int a[4]={1,2,3,4,5}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
```



```
File
        Edit Run
                    Compile Project
                                      Options Debug Break/watch
             Col 53 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[4]={'1','2','3',40000}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* 49
      50
           51 -25536
                         [ 65536-40000 = 25536 ] */
File Edit Run Compile
                            Project Options Debug
                                                      Break/watch
Error: Expression syntax in function main
#include<stdio.h>
#include<conio.h>
void main()
int a[4]=\{1,2, ,4\}, i;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
/* Error */
         _____ ^ P₃ (1) (2) (2) 9:31 /
```

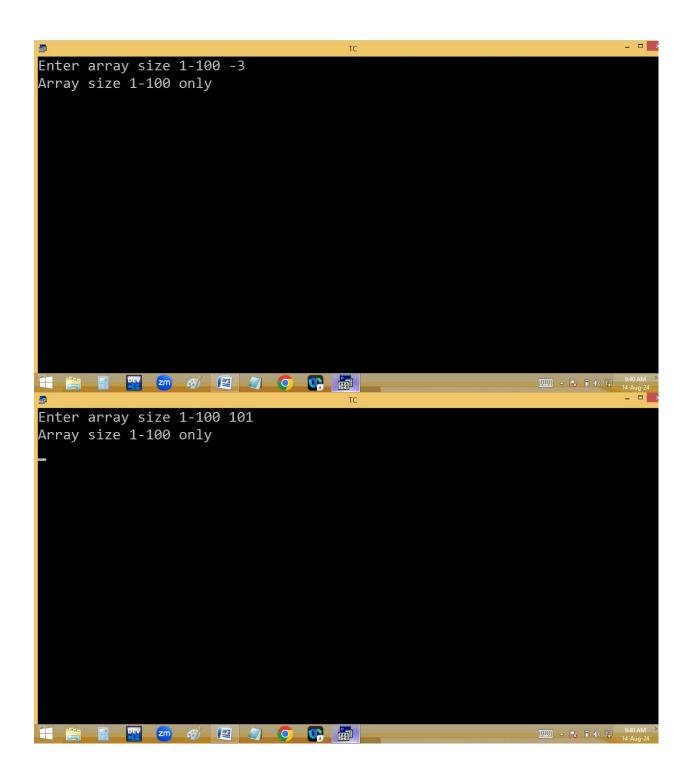
```
File Edit Run Compile Project Options Debug Break/watch

Line 8 Col 15 Insert Indent Tab Fill Unindent E:9AM.C

#include<stdio.h>
#include<conio.h>
void main()
{
int a[2]={1,2}, i;
a[2]=3; a[3]=4;
clrscr();
printf("Elements are ");
for(i=0;i<4;i++)printf("%4d",a[i]);
getch();
}
/* 1 2 3 4 */
```

Reading and printing of array elements:

```
_ 🗆 >
 File Edit Run Compile Project Options Debug Break/watch
    Line 16 Col 1 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i;
clrscr();
printf("Enter array size 1-100 "); scanf("%d",&n);
else
printf("Enter %d elements ",n);for(i=0;i<n;i++)scanf("%d",&a[i]);
printf("Elements are "); for(i=0;i<n;i++)printf("%4d",a[i]);</pre>
getch();
Enter array size 1-100 4
Enter 4 elements 2 0 4 8
Elements are 2
               0
   ■■ ^ 🕞 🗈 (b) 😭 9:40 AM
```



```
_ 🗆 🕥
#include<stdio.h>
#include<conio.h>
void main()
float a[100]; int n,i;
clrscr();
else
printf("Enter %d elements ",n);for(i=0;i<n;i++)scanf("%f",&a[i]);
printf("Elements are "); for(i=0;i<n;i++)printf("%10.2f",a[i]);</pre>
getch();
Enter array size 1-100 4
Enter 4 elements 1 2 3 4
Elements are
            1.00
                   2.00
                         3.00
                                4.00
```

Read n elements into array and find elements sum and avg[mean].

```
Run Compile Project Options Debug Break/watch
  File Edit
                      Insert Indent Tab Fill Unindent * E:9AM.C
     Line 11
               Col 1
#include<stdio.h>
#include<conio.h>
void main()
float a[100],s=0; int n,i;
clrscr();
printf("Enter array size 1-100 "); scanf("%d",&n);
printf("Enter %d elements ",n);
for(i=0;i<n;i++){scanf("%f",&a[i]);s=s+a[i];}
printf("Elements sum %.2f and avg=%.2f ",s,s/n);
getch();
Enter array size 1-100 4
Enter 4 elements 1.1 2.2 3.3 4.4
Elements sum 11.00 and avg=2.75 \_
3.3
                                              2.2
                                                        4.4
  s=0;
                                         1.1
  for(i=0;i<4;i++)
                                                         3
                                                  2
  scanf("%f",&a[i]); s+=a[i];
                                              11.0 / 4 = 2.75
  p(s, s/4);
```

Finding no of even/odd/zero elements in given

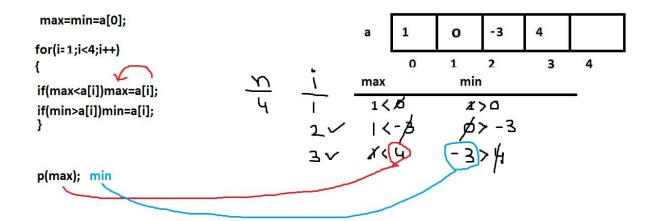
array:

```
File Edit
                    Compile Project Options Debug
              Run
                                                     Break/watch
     Line 13
             Col 28 Insert Indent Tab Fill Unindent * E:9AM.C
#include<stdio.h>
#include<conio.h>
void main()
int a[100],e,o,z, n,i;
clrscr();
printf("Enter array size 1-100 "); scanf("%d",&n);
printf("Enter %d elements ",n);
for(e=o=z=i=0;i<n;i++)
scanf("%d",&a[i]);    if(a[i]==0)z++;else    if(a[i]%2==0)e++;else    o++;
printf("%d even, %d odd, %d zero",e,o,z);
getch();
Enter array size 1-100 4
Enter 4 elements 1 0 2 3
1 even, 2 odd, 1 zero_
□□□□ △ 🕞 🗈 (b) 😭 9:57 AM
```

```
File Edit
                 Run
                       Compile Project Options Debug
                                                              Break/watch
                 Col 28 Insert Indent Tab Fill Unindent * E:9AM.C
      Line 13
#include<stdio.h>
#include<conio.h>
void main()
int a[100],e,o,z, n,i;
clrscr();
printf("Enter array size 1-100 "); scanf("%d",&n);
printf("Enter %d elements ",n);
for(e=o=z=i=0;i<n;i++)
scanf("%d",&a[i]);    if(a[i]==0)z++;else    if(a[i]%2==0)e++;else    o++;
printf("%d even, %d odd, %d zero",e,o,z);
getch();
              e=o=z=0;
                                                          3
                                                               4
 for(i=0;i<4;i++)
                                                         2
                                                                 3
                                                                     4
 scanf("%d",&a[i]);
                                                                   <u>Z</u>
 if(a[i]==0)z++;
 else if(a[i]%2==0)e++;
 else o++;
 }
 p(e, o, z);
```

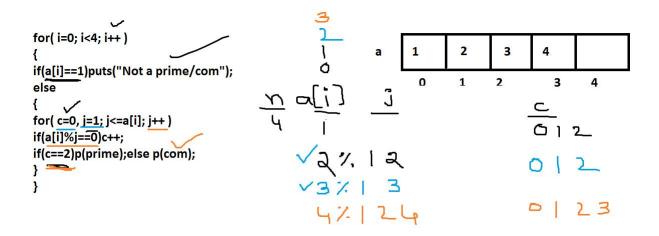
Finding max, min array elements:

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int a[100],max, min, n,i;
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(max=min=a[0],i=1;i<n;i++)</pre>
if(max<a[i])max=a[i];</pre>
if(min>a[i])min=a[i];
printf("Min=%d, Max=%d",min, max);
getch();
Enter array size 1-100 9
Enter 9 elements 1 8 0 -3 7 15 -9 14 3
Min=-9, Max=15
- R 10:11 AM
```



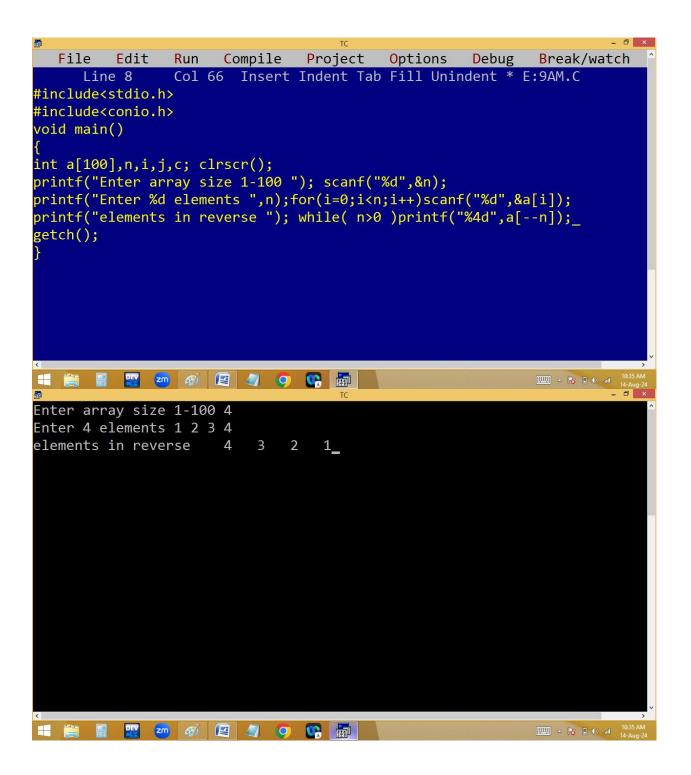
Finding prime/ composite elements of array:

```
- 🗇 ×
#include<stdio.h>
#include<conio.h>
void main()
int a[100],n,i,j,c; 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;i++)
if(a[i]==1)puts("1 Not a prime / composite no");
else
for(c=0, j=1;j<=a[i];j++){if(a[i]%j==0)c++;}
if(c==2)printf("%d prime\n",a[i]);else printf("%d composite\n",a[i]);
getch();
Enter array size 1-100 9
Enter 9 elements 1 2 3 4 5 6 7 8 9
1 Not a prime / composite no
2 prime
3 prime
4 composite
5 prime
6 composite
7 prime
8 composite
9 composite
```



Arranging array elements in reverse order:

Temp:



u				
<u> </u>	а	1	2	3
3		0	1	2
J.				
l				
0				

Permanent:

