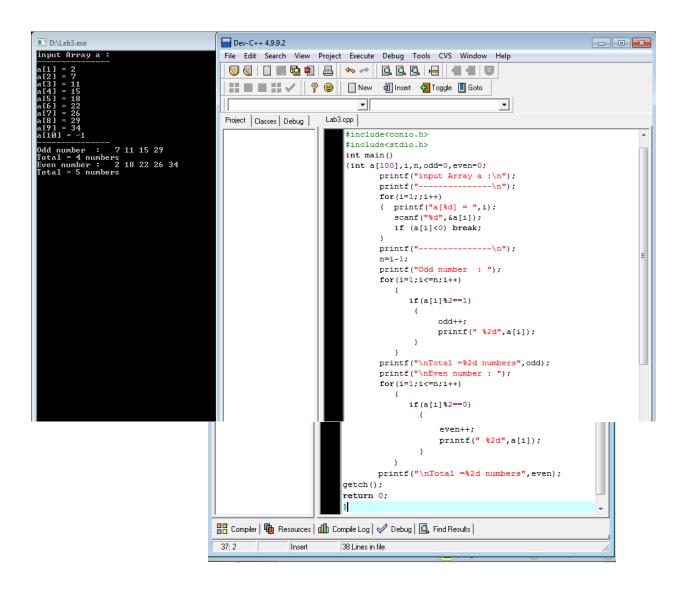
## Assignment 1

```
#include<conio.h>
#include<stdio.h>
int main()
{int a[100],i,n,odd=0,even=0;
       printf("input Array a :\n");
       printf("----\n");
       for(i=1;;i++)
       { printf("a[%d] = ",i);
         scanf("%d",&a[i]);
         if (a[i]<0) break;</pre>
       }
       printf("----\n");
       n=i-1;
       printf("Odd number : ");
       for(i=1;i<=n;i++)</pre>
          {
             if(a[i]%2==1)
              {
                   odd++;
                   printf(" %2d",a[i]);
              }
          }
       printf("\nTotal =%2d numbers",odd);
       printf("\nEven number : ");
       for(i=1;i<=n;i++)</pre>
          {
             if(a[i]%2==0)
               {
                   even++;
                   printf(" %2d",a[i]);
```

```
}
    printf("\nTotal =%2d numbers",even);
getch();
return 0;
}
```



```
Assignment II EXTRA
#include<conio.h>
#include<stdio.h>
```

```
#include<stdio.h>
int main()
{int a[100],b[100],i,j,nA,nB,S;
     printf("input set a :\n");
     printf("----\n");
     for(i=1;;i++)
        {
            printf("a[%d] = ",i);
            scanf("%d",&a[i]);
            if (a[i]<0) break;
        }
     nA=i-1;
     printf("\n\ninput set b :\n");
     printf("----\n");
     for(i=1;;i++)
        {
            printf("b[%d] = ",i);
            scanf("%d",&b[i]);
            if (b[i]<0) break;</pre>
        }
     printf("----\n");
     nB=i-1;
     printf("The intersection of set a and b : {");
     for(i=1;i<=nA;i++)</pre>
     for(j=1;j<=nB;j++)</pre>
        {
            if(a[i]==b[j])
            {
              S=a[i];
```

```
printf("%d,",S);
}

printf("\b}\n");

getch();
return 0;
}
```

