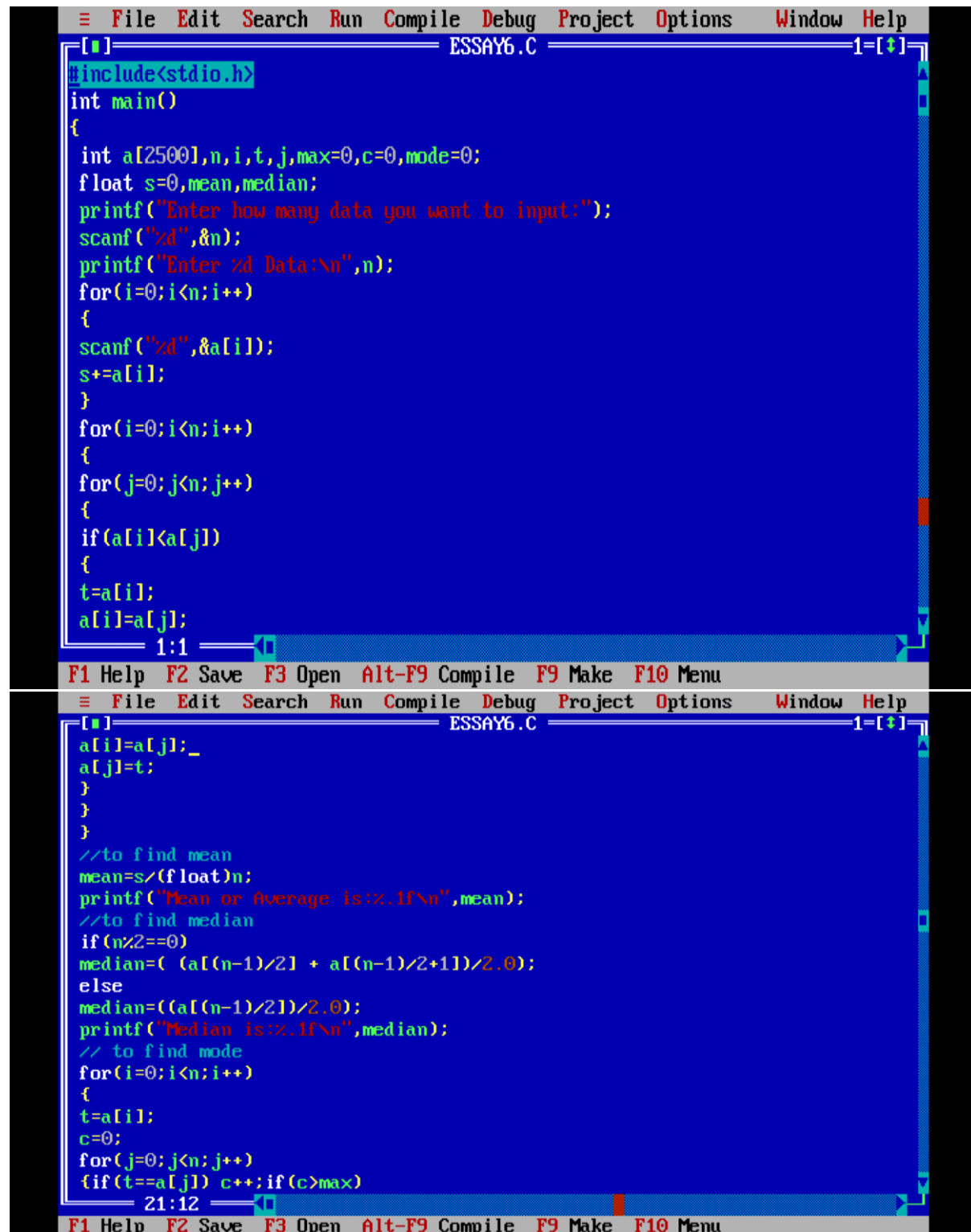
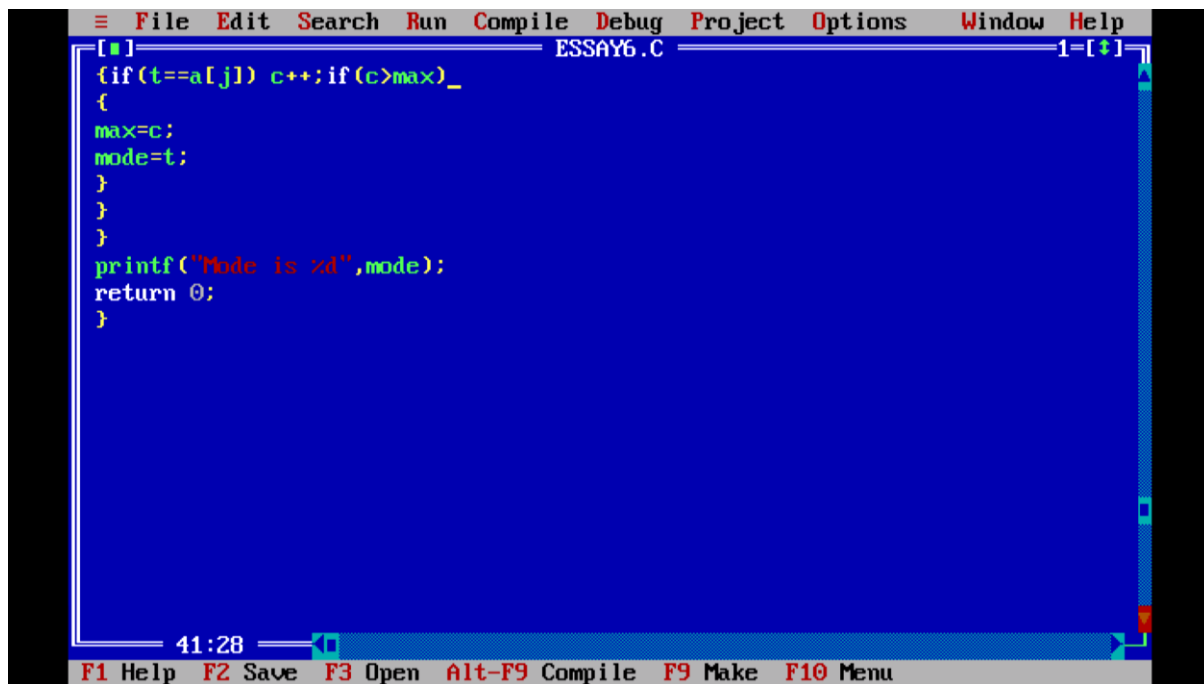


MODE,MEAN,MEDIAN:

INPUT:



```
#include<stdio.h>
int main()
{
    int a[2500],n,i,t,j,max=0,c=0,mode=0;
    float s=0,mean,median;
    printf("Enter how many data you want to input:");
    scanf("%d",&n);
    printf("Enter %d Data:\n",n);
    for(i=0;i<n;i++)
    {
        scanf("%d",&a[i]);
        s+=a[i];
    }
    for(i=0;i<n;i++)
    {
        for(j=0;j<n;j++)
        {
            if(a[i]<a[j])
            {
                t=a[i];
                a[i]=a[j];
                a[j]=t;
            }
        }
    }
    //to find mean
    mean=s/(float)n;
    printf("Mean or Average is:%.1f\n",mean);
    //to find median
    if(n%2==0)
        median=( (a[(n-1)/2] + a[(n-1)/2+1])/2.0);
    else
        median=(a[(n-1)/2])/2.0;
    printf("Median is:%.1f\n",median);
    // to find mode
    for(i=0;i<n;i++)
    {
        t=a[i];
        c=0;
        for(j=0;j<n;j++)
        {
            if(t==a[j]) c++; if(c>max)
                mode=t;
        }
    }
    printf("Mode is:%d\n",mode);
}
```

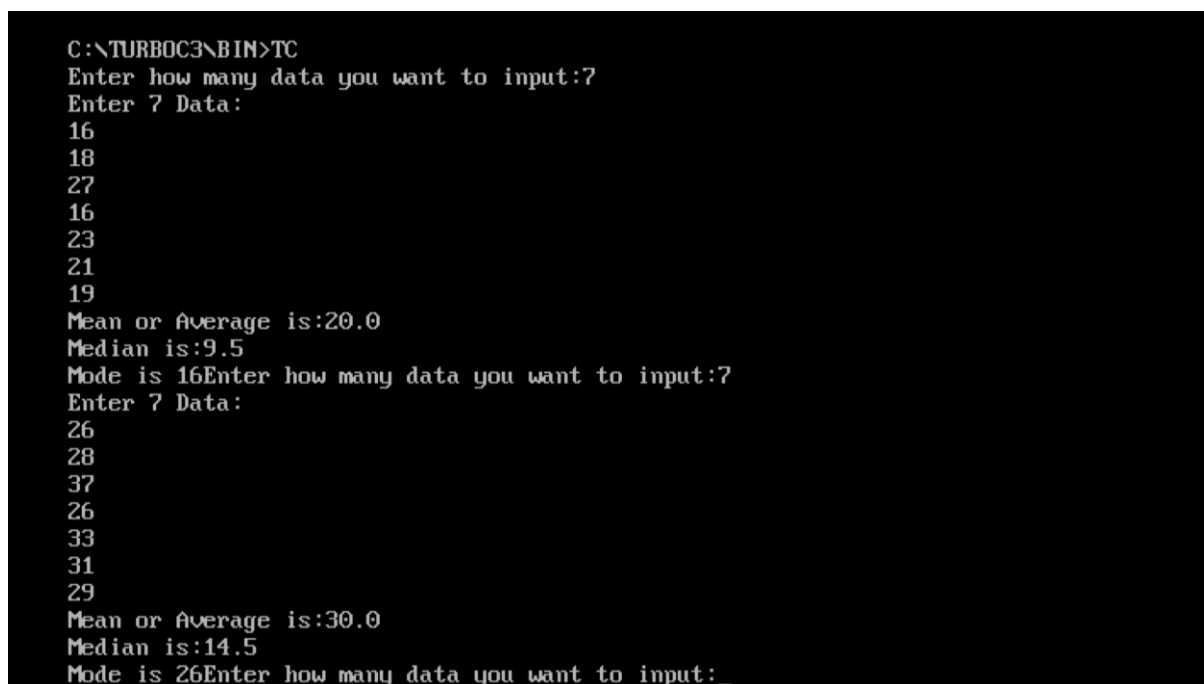


The screenshot shows the Turbo C++ IDE with the file 'ESSAY6.C' open. The code is as follows:

```
[ ] ESSAY6.C 1=[ ]
{if(t==a[j]) c++;if(c>max)_
{
max=c;
mode=t;
}
}
}
printf("Mode is %d",mode);
return 0;
}
```

The status bar at the bottom shows the time '41:28' and function key shortcuts: F1 Help, F2 Save, F3 Open, Alt-F9 Compile, F9 Make, F10 Menu.

OUTPUT:



The screenshot shows the command prompt output for the program:

```
C:\TURBOC3\BIN>TC
Enter how many data you want to input:7
Enter 7 Data:
16
18
27
16
23
21
19
Mean or Average is:20.0
Median is:9.5
Mode is 16Enter how many data you want to input:7
Enter 7 Data:
26
28
37
26
33
31
29
Mean or Average is:30.0
Median is:14.5
Mode is 26Enter how many data you want to input:_
```