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[■] ESSAY6.C 1=[↑↓]

```
#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]);
```

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ESSAY6.C

1=[↑↓]

```
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];
```

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[■] ESSAY6.C 1=[↑↓]

```
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
```

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[■] ESSAY6.C 1=[↑↓]

```
c=0;

for(j=0; j<n; j++) { if(t==a[j]) c++; if(c>max)
{
max=c;
mode=t;
}
}

printf("mode is %d",mode);

return 0;
}
```

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```
C:\TURBOC3\BIN>TC
```

```
Enter 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 26_
```