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[■] ESSAY23.C 1=[↑↓]

```
#include<stdio.h>
int x,n,s,c,arm=0,rem,sum=0,i,perf=0;
main()
{
printf("Enter a num:");
scanf("%d",&n);
c=n;
for(i=1;i<n;i++)
{
rem=n%i;
if(rem==0){
sum=sum+i;
}
}
if(sum==n){
perf+=1;
}
while(n>0)
{
x=n%10;
s=s+(x*x*x);

```

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[■] ESSAY23.C 1=[↑↓]

```
n=n/10;
}
if(c==s)
{
arm+=1;
}
if(arm==1){
printf("%d is an Armstrong Number\n",c);
}
else{
printf("%d is not an Armstrong Number\n",c);
}
if(perf==1){
printf("%d is perfect number\n",c);
}
else
{
printf("%d is not a perfect number\n",c);
}
return 0;
}
```

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

```
Enter a num:371
```

```
371 is an Armstrong Number
```

```
371 is not a perfect number
```

```
Enter a num:528
```