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```bash
#!/bin/bash
echo "Enter a number: "
read c
x=$c
sum=0
r=0
n=0
while [ $x -gt 0 ]
do
r=`expr $x % 10`
n=`expr $r \* $r \* $r`
sum=`expr $sum + $n`
x=`expr $x / 10`
done
if [ $sum -eq $c ]
then
echo "It is an Armstrong Number."
else
echo "It is not an Armstrong Number."
fi
~
~
~
~
~
~
~
~
~
~
"amstrong.sh" 24L, 276C                                              1,0-1              All
```

File   Edit   View   Search   Terminal   Help

```
[mca@localhost ~]$ vi.amstrong.sh
bash: vi.amstrong.sh: command not found...
[mca@localhost ~]$ vi amstrong.sh
[mca@localhost ~]$ chmod +x amstrong.sh
[mca@localhost ~]$ ./amstrong.sh
Enter a number:
153
It is an Armstrong Number.
[mca@localhost ~]$ 126
bash: 126: command not found...
[mca@localhost ~]$ ./amstrong.sh
Enter a number:
123
It is not an Armstrong Number.
[mca@localhost ~]$
```