

```
#!/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
```

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

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```
echo " Enter the 1st number"
read n1
echo " Enter the 2nd number"
read n2
echo "Menu: 1:Add 2:Sub 3:Mul 4:Div"
echo "Enter the choice"
read ch
case $ch in
1) echo "Addition is:  $$(n1+n2)$ ";;
2) echo "Subtraction is:  $$(n1-n2)$ ";;
3) echo "Multiplication is:  $$(n1*n2)$ ";;
4) echo "Division is:  $$(n1/n2)$ ";;
*) echo "Enter valid choice";;
esac
```

File Edit View Search Terminal Help

```
[mca@localhost ~]$ ./input.sh
```

```
Enter the 1st number
```

```
1
```

```
Enter the 2nd number
```

```
2
```

```
Menu: 1:Add 2:Sub 3:Mul 4:Div
```

```
Enter the choice
```

```
1
```

```
Addition is: 3
```

```
[mca@localhost ~]$ ./input.sh
```

```
Enter the 1st number
```

```
2
```

```
Enter the 2nd number
```

```
3
```

```
Menu: 1:Add 2:Sub 3:Mul 4:Div
```

```
Enter the choice
```

```
2
```

```
Subtraction is: -1
```

```
[mca@localhost ~]$ ./input.sh
```

```
Enter the 1st number
```

```
4
```

```
Enter the 2nd number
```

```
3
```

```
Menu: 1:Add 2:Sub 3:Mul 4:Div
```

```
Enter the choice
```

```
3
```

```
Multiplication is: 12
```

```
[mca@localhost ~]$ ./input.sh
```

```
Enter the 1st number
```

```
10
```

```
Enter the 2nd number
```

```
2
```

```
Menu: 1:Add 2:Sub 3:Mul 4:Div
```

```
Enter the choice
```

```
4
```

```
Division is: 5
```

```
[mca@localhost ~]$
```