

```
#!/bin/bash
read -p "Enter two numbers : " a b
echo "Enter the operation : + - * /"
read -p "Enter the choice : " choice
case $choice in
"+" ) echo "$a + $b =" `expr $a + $b` ;;
"-") echo "$a - $b =" `expr $a - $b` ;;
"*") echo "$a * $b =" `expr $a \* $b` ;;
"/") echo "$a / $b =" `expr $a / $b` ;;
esac
```

```
[mca@localhost ~]$ ./p28.sh
Enter two numbers : 8 2
Enter the operation : + - * /
Enter the choice : +
8 + 2 = 10
[mca@localhost ~]$ ./p28.sh
Enter two numbers : 5 3
Enter the operation : + - * /
Enter the choice : -
5 - 3 = 2
[mca@localhost ~]$ ./p28.sh
Enter two numbers : 4 3
Enter the operation : + - * /
Enter the choice : *
4 * 3 = 12
[mca@localhost ~]$ ./p28.sh
Enter two numbers : 9 3
Enter the operation : + - * /
Enter the choice : /
9 / 3 = 27
[mca@localhost ~]$
```

```
#!/bin/bash
a=0
read -p "Enter the number : " n
temp=$n
while [ $n -gt 0 ]
do
    rem=`expr $n % 10`
    a=`expr $a + $rem '*' $rem '*' $rem`
    n=`expr $n / 10`
done
if [ $temp -eq $a ]
then
    echo "$temp is Armstrong number "
else
    echo "$temp is not Armstrong number "
fi
```

```
[mca@localhost ~]$ ./p27.sh
```

```
Enter the number : 153
```

```
153 is Armstrong number
```

```
[mca@localhost ~]$ ./p27.sh
```

```
Enter the number : 123
```

```
123 is not Armstrong number
```

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