Shell Script User Input

```bash
#!/bin/bash
echo -e "Enter Number : \c"
read n
for((i=2; i<=$n/2; i++))
do
  ans=$(( n%i ))
  if [ $ans -eq 0 ]
  then
    echo "$n is not a prime number."
    exit 0
  fi
done
echo "$n is a prime number."
```

"prime.sh" 13 lines, 206 bytes

```
rohan@rohan-virtual-machine:~/shell$ vi prime.sh
rohan@rohan-virtual-machine:~/shell$ bash prime.sh
Enter Number : 11
11 is a prime number.
rohan@rohan-virtual-machine:~/shell$ bash prime.sh
Enter Number : 9
9 is not a prime number.
rohan@rohan-virtual-machine:~/shell$
```

```
# /bin/bash/sh

year=0

echo -n "Enter the year"
read year

ans=$(($year % 4))  # or try ans=`expr $year % 2`

if [ $ans -eq 0 ]; then
    echo "$year is Leap Year"
else
    echo "$year is NOT Leap Year"
fi
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~
"leap.sh" 14 lines, 205 bytes
```

```
rohan@rohan-virtual-machine:~/shell$ vi leap.sh
rohan@rohan-virtual-machine:~/shell$ bash leap.sh
Enter the year2015
2015 is NOT Leap Year
rohan@rohan-virtual-machine:~/shell$ bash leap.sh
Enter the year2012
2012 is Leap Year
rohan@rohan-virtual-machine:~/shell$
```

```
# /bin/bash/sh
age=0
echo "ENter your age "
read age
if [ $age -gt 18 ];
then
echo "You are eligible for voting "
else
echo "you are not elidible "
fi
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~
"voting.sh" 10 lines, 151 bytes
```

```
rohan@rohan-virtual-machine:~/shell$ vi voting.sh
rohan@rohan-virtual-machine:~/shell$ bash voting.sh
ENter your age
19
You are eligible for voting
rohan@rohan-virtual-machine:~/shell$ bash voting.sh
ENter your age
5
you are not elidible
rohan@rohan-virtual-machine:~/shell$
```