

Bash Shell Script to check whether a number is prime or not

A number that is divisible by only two numbers which are 1 and the number itself is called prime number. So we will use this logic to build bash script.

```
#Bash script to find check whether a number is prime or not
num=29
for((i=2; i<=num/2; i++))
do
    if [ $(num%i) -eq 0 ]
    then
        echo "$num is not a prime number."
        exit
    fi
done
echo "$num is a prime number."
```

Output of the above program

```
29 is a prime number.
```

Explanation of the above code-

for loop will iterate from 2 to a half of the number. The reason for this is that the given number is not divisible by more than its half.