

Bash Shell Script to check whether a number is even or odd

In this program, you will learn how to determine whether a number is even or odd using % operator.

```
#Bash Script to check whether a number is even or odd
read -p "Enter a number: " number
if [ $((number%2)) -eq 0 ]
then
    echo "Number is even."
else
    echo "Number is odd."
fi
```

Output of the above program

```
Enter a number: 88
Number is even.
Enter a number: 45
Number is odd.
```

Explanation of the above code-

We have asked a user to enter a number and stored the user response in a `number` variable. To build a condition in `if` statement, we have used `$(())` and `[]`. `$(())` is used to check whether a number is divisible by 2 or not. If it is divisible then we will display Number is even otherwise we will display Number is odd.