

# Bash until loop

`until` command is opposite of `while` command. It executes a set of commands when condition evaluates to non-zero and when the condition returns zero exit status then it does not execute the commands listed between `do` and `done`.

## Syntax of Bash until command

```
until [ condition ]  
do  
    commands  
done
```

## Example: To print multiplication table using until loop

```
read -p "Enter a number: " number  
i=1  
until [ $i -eq 11 ]  
do  
    echo "$number x $i = $((number*i))"  
    i=$((i+1))  
done
```

## Output of the above program

```
Enter a number: 9  
9 x 1 = 9  
9 x 2 = 18  
9 x 3 = 27  
9 x 4 = 36  
9 x 5 = 45  
9 x 6 = 54  
9 x 7 = 63  
9 x 8 = 72  
9 x 9 = 81  
9 x 10 = 90
```