

Bash while loop

`while` command executes a set of commands as long as the condition evaluates to a zero exit status. When the condition evaluates to non-zero exit status then `while` command stops executing the commands listed between `do` and `done`.

Syntax of Bash while loop

```
while [ condition ]
do
    commands
done
```

Example: To print multiplication table using while loop

```
#Bash Script to print multiplication table
read -p "Enter a number: " number
i=1
while [ $i -le 10 ]
do
    echo "$number x $i = $((number*i))"
    i=$((i+1))
done
```

Output of the above program

```
Enter a number: 5
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```