#!/bin/bash

**# Task 1**

if [ $# -eq 1 ]; then

echo "The command line argument value is $1"

else

exit

fi

**# Task 2**

case "$1" in

Night)

echo "Day"

;;

Day)

echo "Night"

;;

NAIT)

echo "SAIT"

;;

\*)

echo "Hello World!"

esac

**# Task 3**

SUM=0

for COUNTER in {0..100}; do

SUM=$[$SUM+$COUNTER]

echo "Counter: $COUNTER SUM: $SUM"

done

**Solution:**

[root@localhost bin]# lab.sh "Night"

The command line argument value is Night

Day

Counter: 0 SUM: 0

Counter: 1 SUM: 1

Counter: 2 SUM: 3

Counter: 3 SUM: 6

Counter: 4 SUM: 10

Counter: 5 SUM: 15

Counter: 6 SUM: 21

Counter: 7 SUM: 28

Counter: 8 SUM: 36

Counter: 9 SUM: 45

Counter: 10 SUM: 55

Counter: 11 SUM: 66

Counter: 12 SUM: 78

Counter: 13 SUM: 91

Counter: 14 SUM: 105

Counter: 15 SUM: 120

Counter: 16 SUM: 136

Counter: 17 SUM: 153

Counter: 18 SUM: 171

Counter: 19 SUM: 190

Counter: 20 SUM: 210

Counter: 21 SUM: 231

Counter: 22 SUM: 253

Counter: 23 SUM: 276

Counter: 24 SUM: 300

Counter: 25 SUM: 325

Counter: 26 SUM: 351

Counter: 27 SUM: 378

Counter: 28 SUM: 406

Counter: 29 SUM: 435

Counter: 30 SUM: 465

Counter: 31 SUM: 496

Counter: 32 SUM: 528

Counter: 33 SUM: 561

Counter: 34 SUM: 595

Counter: 35 SUM: 630

Counter: 36 SUM: 666

Counter: 37 SUM: 703

Counter: 38 SUM: 741

Counter: 39 SUM: 780

Counter: 40 SUM: 820

Counter: 41 SUM: 861

Counter: 42 SUM: 903

Counter: 43 SUM: 946

Counter: 44 SUM: 990

Counter: 45 SUM: 1035

Counter: 46 SUM: 1081

Counter: 47 SUM: 1128

Counter: 48 SUM: 1176

Counter: 49 SUM: 1225

Counter: 50 SUM: 1275

Counter: 51 SUM: 1326

Counter: 52 SUM: 1378

Counter: 53 SUM: 1431

Counter: 54 SUM: 1485

Counter: 55 SUM: 1540

Counter: 56 SUM: 1596

Counter: 57 SUM: 1653

Counter: 58 SUM: 1711

Counter: 59 SUM: 1770

Counter: 60 SUM: 1830

Counter: 61 SUM: 1891

Counter: 62 SUM: 1953

Counter: 63 SUM: 2016

Counter: 64 SUM: 2080

Counter: 65 SUM: 2145

Counter: 66 SUM: 2211

Counter: 67 SUM: 2278

Counter: 68 SUM: 2346

Counter: 69 SUM: 2415

Counter: 70 SUM: 2485

Counter: 71 SUM: 2556

Counter: 72 SUM: 2628

Counter: 73 SUM: 2701

Counter: 74 SUM: 2775

Counter: 75 SUM: 2850

Counter: 76 SUM: 2926

Counter: 77 SUM: 3003

Counter: 78 SUM: 3081

Counter: 79 SUM: 3160

Counter: 80 SUM: 3240

Counter: 81 SUM: 3321

Counter: 82 SUM: 3403

Counter: 83 SUM: 3486

Counter: 84 SUM: 3570

Counter: 85 SUM: 3655

Counter: 86 SUM: 3741

Counter: 87 SUM: 3828

Counter: 88 SUM: 3916

Counter: 89 SUM: 4005

Counter: 90 SUM: 4095

Counter: 91 SUM: 4186

Counter: 92 SUM: 4278

Counter: 93 SUM: 4371

Counter: 94 SUM: 4465

Counter: 95 SUM: 4560

Counter: 96 SUM: 4656

Counter: 97 SUM: 4753

Counter: 98 SUM: 4851

Counter: 99 SUM: 4950

Counter: 100 SUM: 5050

[root@localhost bin]#

[root@localhost bin]# lab.sh

[root@localhost bin]#

[root@localhost bin]# lab.sh "hello" "there"

[root@localhost bin]#