<http://ideone.com/samples>

Ada95 (gnat 6.3)

with Ada.Text\_IO; use Ada.Text\_IO;

with Ada.Integer\_Text\_IO; use Ada.Integer\_Text\_IO;

procedure Test is

subtype Small is Integer range 0..99;

Input : Small;

begin

loop

Get(Input);

if Input = 42 then

exit;

else

Put (Input);

New\_Line;

end if;

end loop;

end;

Assembler 32bit (gcc 6.3 )

.data

x:

.long 0

s:

.string "%d\n\0"

.text

.global main

main: # int main()

# {

loop: # for (;;) {

pushl $x # scanf("%d", &x);

pushl $s

call scanf

addl $8, %esp

movl x, %eax # if (x == 42) break;

subl $42, %eax

jz break

pushl x # printf("%d\n", x);

pushl $s

call printf

addl $8, %esp

jmp loop # }

break:

xor %eax, %eax # return 0;

ret

# }

C (gcc 6.3)

#include <stdio.h>

int main(void) {

int x;

for(; scanf("%d",&x) > 0 && x != 42; printf("%d\n", x));

return 0;

}

C# (gmcs 4.6.2)

using System;

public class Test

{

public static void Main()

{

int n;

while ((n = int.Parse(Console.ReadLine()))!=42)

Console.WriteLine(n);

}

}

C++ (gcc 6.3)

#include <iostream>

using namespace std; // consider removing this line in serious projects

int main() {

int intNum = 0;

cin >> intNum;

while (intNum != 42) {

cout << intNum << "\n";

cin >> intNum;

}

return 0;

}

Cobol (opencobol 1.1.0)

IDENTIFICATION DIVISION.

PROGRAM-ID. IDEONE.

ENVIRONMENT DIVISION.

DATA DIVISION.

WORKING-STORAGE SECTION.

77 n PIC Z9 .

PROCEDURE DIVISION.

ACCEPT n

PERFORM UNTIL n = 42

DISPLAY n

ACCEPT n

END-PERFORM.

STOP RUN.

Fortran (gfortran 6.3)

program TEST

integer ans

do

read (\*,\*) ans

if (ans.eq.42) stop

write (\*,\*) ans

enddo

stop

end

Pascal (gpc 20070904)

program ideone;

var x: integer;

begin

repeat

readln(x);

if x<>42 then writeln(x);

until x=42

end.

Perl (perl 5.24.1)

#!/usr/bin/perl

while (($\_=<>)!=42) {print $\_;}

JavaScript (SMonkey 24.2.0)

1. while((num = readline()) != 42) {
2. print(num);
3. }

PHP (php 7.1.0)

1. <?php
2. $hi = fopen('php://stdin', "r");
3. $ho = fopen('php://stdout', "w");
4. while (true) {
5. fscanf($hi, "%d", $n);
6. if ($n == 42) break;
7. fwrite($ho, sprintf("%d\n", $n));
8. }
9. fclose($ho);
10. fclose($hi);

Python 3 (python 3.5)

n = int(input())

while n != 42:

print(n)

n = int(input())