

Program 07

Bare Loops

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1 INTRODUCTION

The main syntaxis of the loop control structure is the next

```
1 loop
2     statement 1
3     .
4     .
5     .
6     statement n
7 end loop;
```

in this case the loop begins at line 1 and finishes at line 7. Observe that in this loop there is no instruction to exit from the loop

2 CODE

```
1 with Ada.Text_IO; use Ada.Text_IO;
2
3 procedure Bare_Loop is
4     -- Varialbe declaration:
5     I : Integer := 1;
6 begin
7     loop
8         Put_Line("Hello World!" & Integer'Image(I));
9
```

```
10         exit when I = 5;
11
12         I:= I + 1;
13     end loop;
14 end Bare_Loop;
```

3 MAIN PARTS

In this example, the loop begins in line 7 and ends in line 13. Observe that in line 10 is a instruction with the `exit when`, when the condition is filled then program exists the loop and continue with the normal execution.