

Oct 23, 17 14:22

momm.adb

Page 1/1

```
With Ada.Text_IO;           use Ada.Text_IO;
with Ada.Float_Text_IO;    use Ada.Float_Text_IO;
with Ada.Integer_Text_IO;  use Ada.Integer_Text_IO;
```

procedure Mom is

```
Fp : Float;
Lp : Float;
S  : Float;
M  : Float;
```

```
N : Integer;
```

begin

```
Put ("Mata in första pris (mellan 0 och 100): ");
Get (Fp);
while Fp < 0.0 or Fp > 100.0 loop
  Put ("ERROR: Mata in första pris igen: ");
  Get (Fp);
end loop;
```

loop

```
Put ("Mata in sista pris (minst första pris): ");
Get (Lp);
if Lp >= Fp then
  exit;
end if;
end loop;
```

```
Put ("Mata in steglängd: ");
```

loop

```
Get (S);
exit when S > 0.0;
Put ("ERROR: Mata in steglängd igen: ");
end loop;
```

```
M := 25.0; -- Svensk normalmoms (för kläder)
```

```
N := Integer(Float'Floor((Lp - fp) / S + 1.0));
```

```
Put_Line("MOMSTABELL (mini)");
```

```
for I in 0 .. N - 1 loop
```

```
  Put(Fp + Float(I) * S,
      Fore => 5, Aft => 2, Exp => 0);
```

```
  Put((Fp + Float(I) * S) * M / 100.0,
      Fore => 7, Aft => 2, Exp => 0);
```

```
  Put((Fp + Float(I) * S) * (1.0 + M / 100.0),
      Fore => 7, Aft => 2, Exp => 0);
```

```
  New_Line;
```

```
end loop;
```

```
end Mom;
```

C++

Kompilera: (module add prog/gcc/7.1.0)  
 g++ -std=c++14 -Wall -Wextra (-pedantic) program.cpp

Satser:

if (villkor) { Satser }	while (villkor) { Satser }	do { Satser } while (villkor);
<u>TYPER</u> int i; double d; char c; string s;	for ( <u>FÖRST</u> int i=0; <u>VILLKOR</u> i < 10; <u>EFTER VARJE</u> i++ ) { Satser }	break; continue;
#include <iostream> #include <iomanip> using namespace std; int main() {  return 0; }	cout << "Hejsan världen" << endl << 16 << "oC" << "Varmt idag";  cin >> x; cin.ignore(100, '\n');	