

dec 12, 21 17:40

adafortran.adb

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```
with Text_IO, Cgi, Ustrings, Ada.Strings.Unbounded, Interfaces.Fortran;
use Text_IO, Cgi, Ustrings, Ada.Strings.Unbounded, Interfaces.Fortran;

procedure AdaFortran is

  package Int_IO is new Integer_IO (Integer); use Int_IO;

  function gauss(n : Integer) return integer;
  pragma import (Fortran, gauss, "gauss_");

  n : integer;

begin

  Put_CGI_Header;
  Put_HTML_Head ("Fortran function call in Ada");

  if CGI.Input_Received then

    n := Integer'Value (Value ("F_arg"));
    Put (Gauss (n));
    Put ("  
<br><hr><br>");

  else

    Put_Line ("<b>Enter Integer</b>" & "<br>");

    Put_Line ("<form method='\"POST\"'>Total:  " &
      "<input name='\"F_arg\"'>" & "<br>" &
      "<input type='\"submit\"'></form>");

  end if;

  Put_HTML_Tail;

exception
when Constraint_Error => Put_Line ("Argument mismatch.");
when others => Put_Line ("Always expect the unexpected error.");

end AdaFortran;
```