Software Installation Tutorials

GPS (GNAT PROGRAMMING STUDIO) FOR ADA, C/C++, PYTHON

ERIC Y. CHOU, PHD.   IEEE SENIOR MEMBER

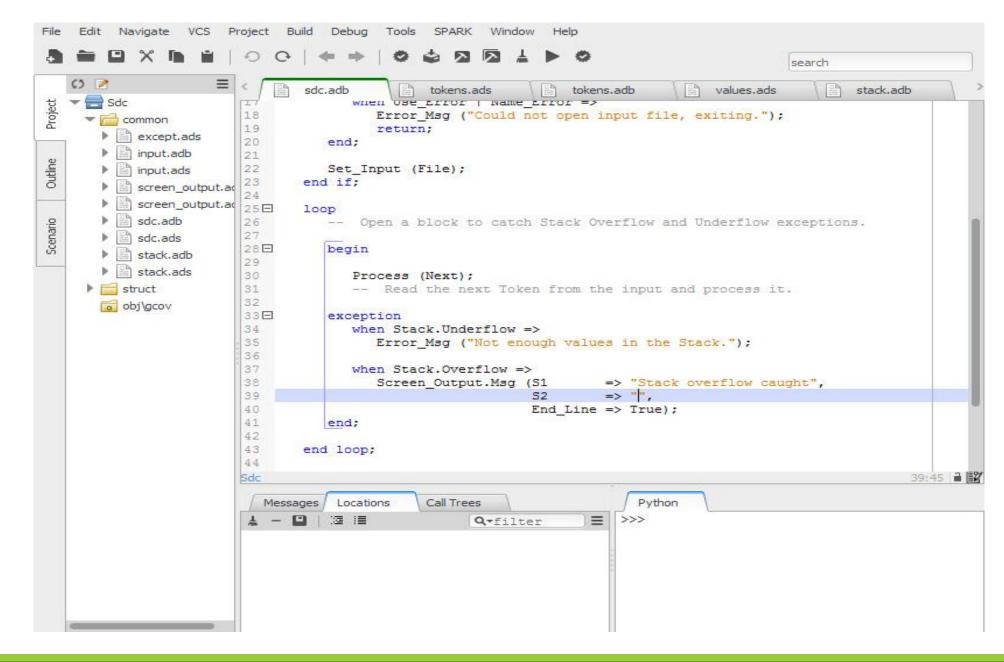# GNAT Programming Studio GPS IDE

http://libre.adacore.com/tools/gps/

- **GPS**, the GNAT Programming Studio, is a cutting-edge Free Software IDE that streamlines the interaction between developers and their software.
- With its intuitive interface, GPS is easy to use, simplifying source navigation and highlighting the fundamental ideas in the program.
- By displaying core application structures, such as call graphs, program entity graphs, and project dependencies, **GPS** facilitates the development of systems.
- **GPS** helps construct reliable code while providing the same interface and behavior across a variety of platforms. Designed by programmers for programmers, **GPS** is a new kind of IDE that offers the experience of designing software in a uniquely comfortable environment. [Ada, C/C++, Python]

sdc.adb | tokens.ads | tokens.adb | values.ads | stack.adb

```
17          when Use_Error | Name_Error =>
18              Error_Msg ("Could not open input file, exiting.");
19              return;
20          end;
21
22          Set_Input (File);
23      end if;
24
25      loop
26          --  Open a block to catch Stack Overflow and Underflow exceptions.
27
28          begin
29
30              Process (Next);
31              --  Read the next Token from the input and process it.
32
33          exception
34              when Stack.Underflow =>
35                  Error_Msg ("Not enough values in the Stack.");
36
37              when Stack.Overflow =>
38                  Screen_Output.Msg (S1       => "Stack overflow caught",
39                                     S2       => "",
40                                     End_Line => True);
41          end;
42
43      end loop;
44
```

Project tree:
- Sdc
  - common
    - except.ads
    - input.adb
    - input.ads
    - screen_output.ad
    - screen_output.ad
    - sdc.adb
    - sdc.ads
    - stack.adb
    - stack.ads
  - struct
  - obj\gcov

Sdc
39:45

Messages | Locations | Call Trees

Q▼filter

Python
>>>

GNAT Programming Studio Installation

Go GPS and Ada 2012!!!