

Problem C2. (Unified Computers and programming)

Start with downloading 2 files from the CP web page: **screen.ads** and **screen.adb**.

1. Modify the “Hello” program shown in class (Lecture C2) to display the following text on the screen

```
Hello World
My name is Your Name
```

Ensure that the output of your program occurs on two separate lines as shown above. Turn in a hard copy of your code listing and an electronic copy of your code.

2. Compile `Spider_Crash` (Program 2.10, Page 56, Feldman Koffman). Redirect the output of your program into a file (In AdaGIDE, use menu Run → Run Options). What is the output of running the program? (It is sufficient to print the contents of the output file)
3. Write an algorithm to use the Feldman “spider package” to draw an inverted triangle as shown below. Turn in a hard copy of your code listing and an electronic copy of your code.

```
RRRRRRR
 R   R
  R R
   R
```

Hint: Start the spider facing west; draw the top line and so on. The spider can draw a blank by changing the color to ‘None’. Read Program 2.5 (Page 47, Feldman Koffman) and Program 2.6 (Page 50, Feldman Koffman).