

# Stump the Programmer #79

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## Symbol Table Selection 2

Several macro variables are created in the following code. When the %PUT is executed by the %INNER macro, what values will these macro variables take on and what will be their scopes?

```
%* Several macro variables are created in this code.;
%* What are their scopes (what symbol table are they in),
%* and what value does each take on?;
%macro outer(outside=);
  %inner
%mend outer;
%macro inner;
  %* If uncommented, would this %LOCAL statement change your answer?;
  %*local outside;
  %let inn=hotel;
  %let outside=not alaska;
  %let earth=bluemarble;
  %put _user_;
%mend inner;
%let earth = in global;
%outer(outside=lower48)
```

### Extra Credit:

If the %LOCAL statement in the %INNER macro were uncommented, would your answer change?