1. Create a subprogram by concatenating the subprogram prolog, subprogram body, and the subprogram epilog.
2. Print the subprogram to the PCode file.

Grammar:

subprogram_declaration → subprogram_head variable_declarations compound_statement

Subprogram prolog:
- Create a list of expression trees.
- Make each of the following three a single PCode instruction.
- Insert the PCode instructions into the list.

*entry***:**

> **ent sp** *splabel*
> **ent ep** *eplabel*

The labels *entry*, *splabel* and the *eplabel* were created when the subprogram identifier was entered into the symbol table

Steps.
1. Obtain the symbol descriptor for the subprogram identifier, *P*.
   1.1. Note that *subprogram_head*, ($1) is the symbol descriptor for the subprogram identifier, *P*.
2. string *entry=P->ELabel***();**
3. string *splabel=P->SPLabel***();**
4. string *eplabel=P->EPLabel***();**

Subprogram body:

Append the list of statements (expression trees), referenced by *compound_statement* ($3), to the list created above in the subprogram prolog.

Subprogram epilog:
- Append each of the following PCode instructions to the list created in the subprogram prolog and extended in the subprogram body.

> **rtn** *t*

#define *splabel spvalue*
#define *eplabel epvalue*