Abtrstact Syntax Tree
7.1

```
                          program
                           Prog
                             |
                             v
                          topDec
                          FunDec
              /         /        \         \
             v         v          v          v
        option      string   (Typ*.String)   stmt
         None       "Main"    (TypI, "n")     Block
                                   |            |
                                   v            v
                                 TypI      stmtordDec List
                                          /              \
                                         v                v
                                      stmt              stmt
                                      While             expr
                              /         |                 |
                             v          v                 v
                          expr        stmt             Prim1
                          Prim2       Block          /        \
                     /     |    \       |           v          v
                    v      v     v      v        String      expr
                string  expr   expr  stmtordDec  "Print C"   CstI 10
                 ">"   Access  CstI 0   List
                         |            /        \
                         v           v          v
                    AccVar "n"     stmt       stmt
                                   Expr       Expr
                                     |          |
                                     v          v
                                   Expr       Assign
                                   Prim1      /      \
                                /      \     v        v
                               v        v  Acces     Exer
                           String     expr           Prim2
                           "printi"   Access      /    |    \
                                        |        v     v     v
                                        v     String  expr  expr
                                   AccVar "n"  "_"    "_"   CstI 1
                                          AccVar "n"    |
                                                        v
                                                      Acces
                                                        |
                                                        v
                                                   AccVar "n"
```