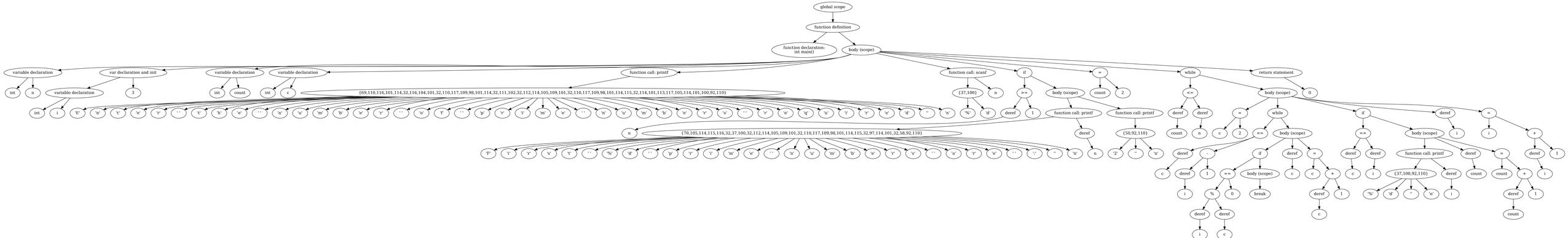
global scope
function definition
function declaration: int main()
body (scope)
variable declaration
int
n
variable declaration
int
i
'E'
'n'
't'
'e'
'r'
' '
't'
'h'
'e'
' '
'n'
'u'
'm'
'b'
'e'
'r'
' '
'o'
'f'
' '
'p'
'r'
'i'
'm'
'e'
' '
'm'
'u'
'm'
'b'
'e'
'r'
's'
' '
'r'
'e'
'q'
'u'
'i'
'r'
'e'
'd'
''
'n'
var declaration and init
3
variable declaration
int
count
variable declaration
int
c
function call: printf
{69,110,116,101,114,32,116,104,101,32,110,117,109,98,101,114,115,32,111,102,32,112,114,105,109,101,32,110,117,109,98,101,114,115,32,114,101,113,117,105,114,101,100,92,110}
n
{70,105,114,115,116,32,37,100,32,112,114,105,109,101,32,110,117,109,98,101,114,115,32,97,114,101,32,58,92,110}
'F'
'i'
'r'
's'
't'
' '
'%'
'd'
' '
'p'
'r'
'i'
'm'
'e'
' '
'n'
'u'
'm'
'b'
'e'
'r'
's'
' '
'a'
'r'
'e'
' '
':'
'\'
'n'
function call: scanf
{37,100}
n
'%'
'd'
if
>=
deref
1
body (scope)
function call: printf
deref
n
function call: printf
{50,92,110}
'2'
'\'
'n'
=
count
2
while
<=
deref
count
deref
n
body (scope)
=
c
2
while
<=
deref
c
deref
i
1
==
%
deref
i
deref
c
0
body (scope)
break
deref
c
=
c
+
deref
c
1
if
==
deref
c
deref
i
body (scope)
function call: printf
{37,100,92,110}
'%'
'd'
''
'n'
deref
i
deref
count
=
count
+
deref
count
1
i
return statement
0
deref
i
=
i
+
deref
i
1