PR1

```
int a;
int b;
int c;

read(a);
read(b);
read(c);

if (a >= b and a >= c)
writeToConsole(a);
writeToConsole("is the max");
end-if

if (b >= a and b >= c)
writeToConsole(b);
writeToConsole("is the max");
end-if

if (c >= a and c >= b)
writeToConsole(c);
end-if
```

PIF

```
int -> -1
a -> 1
; -> -1
int -> -1
b -> 1
; -> -1
int -> -1
c -> 1
; -> -1
read -> -1
a -> 1
; -> -1
read -> -1
b -> 1
; -> -1
read -> -1
c -> 1
; -> -1
if -> -1
a -> 1
>= -> -1
b -> 1
and -> -1
a -> 1
>= -> -1
c -> 1
writeToConsole -> -1
```

```
a -> 1
; -> -1
writeToConsole -> -1
"is the max" -> 11
; -> -1
end-if -> -1
if -> -1
b -> 1
>= -> -1
a -> 1
and -> -1
b -> 1
>= -> -1
c -> 1
writeToConsole -> -1
b -> 1
; -> -1
writeToConsole -> -1
"is the max" -> 48
; -> -1
end-if -> -1
if -> -1
c -> 1
>= -> -1
a -> 1
and -> -1
c -> 1
>= -> -1
b -> 1
writeToConsole -> -1
c -> 1
; -> -1
end-if -> -1
```

SymbolTable

```
The symtable is represented on a hash table using separate chaining as a
resolution method
Position: 1
a, b, c,
Position: 11
"is the max",
Position: 48
"is the max",
```

PR1 – with 2 errors

```
int a;
int b;
int #c; //error 1

read(a);
read(b);
read(c);

if (a >= b and a >= c)
writeToConsole(a);
writeToConsole("is the max");
end-if

if (b >= a and b >= c)
writeToConsole(b);
writeToConsole("is the max.);  //error 2

end-if

if (c >= a and c >= b)
writeToConsole(c);
end-if
```

PIF

```
int -> -1
a -> 1
; -> -1
int -> -1
b -> 1
; -> -1
int -> -1
; -> -1
read -> -1
a -> 1
; -> -1
read -> -1
b -> 1
; -> -1
read -> -1
c -> 1
; -> -1
if -> -1
a -> 1
>= -> -1
b -> 1
and -> -1
a -> 1
>= -> -1
c -> 1
writeToConsole -> -1
```

```
a -> 1
; -> -1
writeToConsole -> -1
"is the max" -> 48
; -> -1
end-if -> -1
if -> -1
b -> 1
>= -> -1
a -> 1
and -> -1
b -> 1
>= -> -1
c -> 1
writeToConsole -> -1
b -> 1
; -> -1
writeToConsole -> -1
end-if -> -1
if -> -1
c -> 1
>= -> -1
a -> 1
and -> -1
c -> 1
>= -> -1
b -> 1
writeToConsole -> -1
c -> 1
; -> -1
end-if -> -1
```

SymbolTable

```
The symtable is represented on a hash table using separate chaining as a
resolution method
Position: 1
a, b, c,
Position: 48
"is the max",
```