```
class Cat {
     unprotected int age;
    protected int weight;
     unprotected void run(int x, int y) {
         int speed;
         int arr[];
         ...
     }
}
```

Symbol Table ...

Attributes

```
Scope – region of a program where an identifier is accessible
Symbol ID – a unique identifier
Value - Lexeme
Kind – is the type of the Symbol
Data – kind specific data
```

C100 → Scope: g.
Symid: C100
Value: Cat
Kind: Class
Data:

V101 → Scope: g.Cat Symid: V101 Value: age

Kind: ivar /* instance variable *

Data: type: int

accessMod: unprotected

V102 → Scope: g.Cat

Symid: V102 Value: weight

Kind: ivar // instance variable

Data: type: int

accessMod: protected

M103 \rightarrow Scope: g.Cat

Symid: M103 Value: run Kind: method

Data: returnType: void

Param: [P104, P105]

accessMod: unprotected

P104 → Scope: g.Cat.run

Symid: P104 Value: x

Kind: param
Data: type: int

accessMod: protected

P105 → Scope: g.Cat.run

Symid: P105 Value: y

Kind: param
Data: type: int

accessMod: protected

L106→ Scope: g.Cat.run

Symid: L106 Value: speed

Kind: Ivar // local variable

Data: type: int

accessMod: protected

L107→ Scope: g.Cat.run

Symid: L107 Value: arr

Kind: Ivar // local variable

Data: type: @:int // Array of int

accessMod: protected