

# CS 476 – Programming Language Design

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## Questions

Nobody has responded yet.

Hang tight! Responses are coming in.

# Project Workshop

- Exercise: Tell me something you've done for your project! Added cases to syntax, written semantic rules, read about related work, or anything else like that.
  - If you haven't started yet, this is the time to start!

# Project Workshop

```
switch(some expression){  
    case 0: <code for case 0>  
    case 1: <code for case 1>  
    ...  
    default: <code for default case>  
}
```

If the expression's value is 0, run case 0

...

If the expression doesn't match any of the cases, run the default case

# Project Workshop

```
switch(some expression){  
    case 0: <code for case 0>  
    case 1: <code for case 1>  
    ...  
    default: <code for default case>  
}
```

$E ::= \dots$

$C ::= \dots \mid \text{switch}(E)\{ \text{case } \langle \# \rangle : C \dots \text{case } \langle \# \rangle : C \text{ default} : C \}$

# Project Workshop

$C ::= \dots$   
| `switch( $E$ ) { case  $\langle \# \rangle$ :  $C$  ... case  $\langle \# \rangle$ :  $C$  default:  $C$  }`

$$\frac{(e, \rho) \Downarrow i_j}{(\text{switch}(e)\{\text{case } i_1:c_1 \dots \text{case } i_n:c_n \text{ default: } c \}, k, \rho) \rightarrow (c_j, k, \rho)}$$