CS 476 – Programming Language Design

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Questions?
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.
switch(some expression){
    case 0: some code
    case 1: some code
    ...
    default: some code
}

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: some code
    case 1: some code
    ...
    default: some code
}

E ::= ...
C ::= ... | switch(E){ case <#>: C ... case <#>: C default: C }
C ::= ... | switch(E){ case <#>: C ... case <#>: C default: C }

\[(e, \sigma) \downarrow v \quad (v = i_j)\]

\[
(switch(e)\{ \text{case } i_1: c_1 \ ... \text{ case } i_n: c_n \text{ default: } c \}, k, \sigma) \rightarrow (c_j, k, \sigma)
\]