

2 0/3 Names and Scope Dynamic scope determines the visibility by the call reference. bash (Bourne-Again) Shell) function XU & Stack echo \$x, mayy 2 function go & local x=2; Multiple Scopes Standard ML type t = int; Type Alias Variable Submodule structure t= Scope for type names struct val x = 23; > variable names val x:t=t+t.x; Istructure names Scope govern the visibility of bindings, map names
to attributes Both form of allow nesting

Names of and Scope Static bindings Language I design time, e.g. Reserved keywords Language implementation time, e.g. Bit allocation to different types, stack and heap size Compile-time, e.g. Associating constant values -with variables, Functioniss in Same Sile. Link-time, e.g. Function call that calls a function in another file. Dynamic bindings Load-time, e.g. Assignment of physical memory. Run-time, e.g. Allocation in heap Relative to start maybe & Fast, Determined at Congile-time Blow but Flexible, Determined at Run-time