

CISC124 – Today's Topics		
<ul style="list-style-type: none"> ▪ Lambda expressions ▪ Lambda expressions use ▪ Lambda expressions demo ▪ GUI Introduction 		
Winter 2019	F. de la Parra	1

•1

Lambda Expressions		
<pre>(0 or more arguments)->{One or more Statements}</pre>		
<ul style="list-style-type: none"> ▪ It is a function without a name ▪ Zero or more arguments ▪ One or more statements in the function's body ▪ Return type is inferred in function's body ▪ It is an object that can be assigned to variable of type "functional interface" 		
<pre>(int x, int y)->{return x + y;}</pre>		
Winter 2019	F. de la Parra	2

•2

Lambda expressions use		
<ul style="list-style-type: none"> ▪ Used in streams of objects ▪ Used as logic to handle events 		
<pre>button.addActionListener (e -> System.out.println("Button has been clicked"));</pre>		
Winter 2019	F. de la Parra	3

•3

GUI Introduction		
<pre> graph LR subgraph ComponentBox [Component] direction TB C1[Generates] C2[Events (objects)] end subgraph ListenerBox [Listener] direction TB L1[Handles] L2[Events (objects)] end ComponentBox --> Events((Events)) Events --> ListenerBox </pre>		
Winter 2019	F. de la Parra	4

•4