

### ***Lambda Expressions and Function Pointers***

**Objective:** Understand the limitations of converting lambda expressions to function pointers, particularly when lambdas capture variables.

**Instructions:**

**1. Define Two Lambdas:**

- **Lambda 1:** Define a lambda that does not capture any variables and takes a parameter. This lambda should simply print the value of the parameter.
- **Lambda 2:** Define a lambda that captures a variable from its surrounding scope. This lambda should print the value of the captured variable and take a parameter.

**2. Create Function Pointers:**

- **Attempt to create function pointers for both lambdas.**
- **Observe the compilation errors when attempting to create a function pointer for the lambda that captures a variable.**

# Thank You