



## ***Task(15.3)***

### ***Struct and Lambda***

#### **Requirements:**

##### **1.Record Structure:**

- Define a struct called Record with the following attributes:
  - name: a string representing the name of a character.
  - power\_level: an integer representing the character's power level.
- Include a Print\_Data() method in Record that prints the name and power level in the format:
  - Name: <name>, Power Level: <power\_level>.

##### **2.Lambdas for Sorting:**

- Create two lambda functions to sort the records:
  - CmpareByName: A lambda that sorts records in descending order by name.
  - CmpareByPowerLevel: A lambda that sorts records in descending order by power\_level.

##### **3.Vector of Records:**

Create a std::vector of Record objects with initial data, e.g., { "Erin", 100 }, { "Armin", 80 }, etc.

##### **4.Sorting and Displaying Data:**

- Use std::sort and the created lambdas to sort the vector:
  - First, sort by name and print the results.
  - Then, sort by power\_level and print the results.

# Thank You