# Links

GITHUB REPO: <https://github.com/ST10322521/ICETASK1_ST10322521_PROG6212.git>

# Changes

**General Project Setting**

* **Prefer 32-bit: Unchecked**

**Changes Summary**

## 1. Removed Unnecessary Imports

* **Cleaned unused using statements from:**
  + **Form1.cs**
  + **Program.cs**

## 2. Typo Correction in MessageBox

* **Old (Line 44): porcessId**
* **New (Line 41): processId**
* **Comment added on Line 40**

## 3. Broadened Exception Catch

* **Old (Line 46): catch (InvalidOperationException ex)**
* **New (Line 43): catch (Exception ex)**
* **Comment added on Line 30**

## 4. Replaced Manual PID Parsing in btnThreads\_Click

* **Old Lines (89–91):  
  string id = listBox1.SelectedItem.ToString().Substring(8, 5);  
  string newId = new string(id.Where(c => char.IsDigit(c)).ToArray());  
  int i = Convert.ToInt32(newId);**
* **New Lines (87–91):  
  Replaced with call to reusable tryFindPID(out int i) method and message box fallback if PID is invalid.**
* **Comment added on Line 78**

## 5. Added Try-Catch in btnThreads\_Click

* **Lines 107–119 now wrapped in a try-catch block to prevent crashes if a process cannot be accessed.**
* **Comment added on Line 78**

## 6. Replaced Manual PID Parsing in btnLoadedModules\_Click

* **Old Lines (124–126):  
  Same manual parsing logic as above using Substring, Where, and Convert.**
* **New Lines (133–137):  
  Replaced with tryFindPID(out int i) and early return on failure.**
* **Comment added on Line 124**

## 7. Corrected Typo and Refined Variable Usage in btnLoadedModules\_Click

* **Old (Line 128): MessageBow, used variable newId**
* **New (Line 140): MessageBox, changed to use i variable from new method**
* **Comment added on Line 139**

## 8. Added Try-Catch Around Module Access Code

* **Lines 154–165 now encapsulated in a try-catch block to handle inaccessible modules without crashing.**
* **Comment added on Line 124**

## 9. Added Reusable PID Retrieval Method

* **Lines 199–205: Added method:**

**private bool tryFindPID(out int pid)  
Retrieves and parses PID from selected list box item, supports multiple method calls.**

* **Comment added on Line 198**