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| Task. No.: | 4 | Points: | 5 | Program flow |

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| Objectives:  1. Use If/else command. 2. Create and modify variables. 3. Insert and call subprogram. 4. Use folder command for more readability. |

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| Description: The goal is to add a subprogram into an application that will remove every 4th workpiece to inspect it for quality. We will need to create a counter using a variable (to keep count of the number of workpieces). We will also need to add a if/else command that will check for when the variable has reached the 4th workpiece and then activates the subprogram. |

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| Step | Action |
| 1 | Insert a variable which counts number of workpieces in your pick and place program. Use set *initial variable* *values* to set it to 0. |
| 2 | Run the program and check in the *Variables* tab that the counter works correctly. |
| 3 | After the pick-sequence, insert an if/else command that calls a subprogram for every 4th workpiece. |
| 4 | Create a subprogram that removes a workpiece for quality inspection. |
| 5 | Create a variable for quality checking and set it by the operator. If it is True, place the workpiece in the place position, otherwise place it on discard position. |
| 6 | Create another variable which counts the number of workpieces that have already been selected for inspection. |

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