

Security Injections @Towson

Welcome, Marilyn Soyars!

Security Injections, Java CS1 - Input Validation

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Laboratory Assignment

STEP 1: Write an input validation loop that asks the user to enter a body weight.

STEP 2: Write a program to calculate $BMI = \text{Weight (lbs)} / \text{Height (in)}^2 \times 703$

STEP 3: Complete the below security checklist for the program developed in step 2

Security Checklist	
Vulnerability: <i>Failure to Validate Input</i> Course: CS1	
Check each line of code	
1. Mark with a V each variable that is input	
For each V, which of the following is applicable	
1. Check length?	<input type="checkbox"/>
2. Check range (reasonableness)?	<input checked="" type="checkbox"/> ✓
3. Check format?	<input type="checkbox"/>
4. Check type?	<input checked="" type="checkbox"/> ✓
Highlighted areas indicate vulnerabilities!	

STEP 4: Add any additional input validation to your program that completing the checklist identified.

STEP 5: For submission, copy and paste the program and completed security checklist on word document and submit it to your instructor

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