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| **CMIS242 Project 3 Matrix** | | | | | | |
| **Step** | **Radio** | **Input** | **Button** | **Value** | **Efficiency** | **Message** |
| Scenario 1: Non-Integer Input | | | | | | |
| 1 | Iterative | a | Calculate |  |  | (JOptionPane)  “a” is not a positive integer!  Please enter a positive integer. |
| Scenario 2: Negative Number | | | | | | |
| 2 | Recursive | -1 | Calculate |  |  | (JOptionPane)  “-1” is not a positive integer!  Please enter a positive integer. |
| Scenario 3: Good User Input | | | | | | |
| 3 | Iterative | 2 | Calculate | 2 | 1 | iterative,2,2,1 |
| 4 | Recursive | 10 | Calculate | 2378 | 177 | recursive,10,2378,177 |
| 5 | Recursive | 7 | Calculate | 169 | 41 | recursive,7,169,41 |
| 6 | Iterative | 7 | Calculate | 169 | 6 | iterative,7,169,6 |
| 7 |  |  | Close |  |  | Closing Program  Contents of Efficiencies.txt  iterative,2,2,1  recursive,10,2378,177  recursive,7,169,41  iterative,7,169,6 |
| Scenario 4: Large Value Results | | | | | | |
| 8 | Iterative | 32 | Calculate | -51659168 | 31 | iterative,32,-51659168,31 |
| 9 | Recursive | 32 | Calculate | -51659168 | 7049155 | recursive,32,-51659168,7049155 |
| 10 |  |  | Close |  |  | Closing Program  Contents of Efficiencies.txt  iterative,32,-5169168,31  recursive,32,-51659168,7049155 |

Screenshots on next page

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| Scenario 1 | Scenario 2 |
|  |  |
|  |  |
| Scenario 3 | Scenario 4 |
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