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| --- | --- | --- |
| **Input** | **Process** | **Output** |
| User Input:  Select Item to find the area of:   1. Circle 2. Rectangle 3. Cylinder   -Once selected, prompt user to INPUT required values | Save each input as separate variable  Create class with 3 methods, with same name, that each have different parameters and operations.  Circle parameter = “radius”   * Calculation = pi (R\*R)   Rectangle parameter = “length” & “width”   * Calculation = length \* width   Cylinder parameter = “radius” & “height”   * Calculation= pi(radius\*radius)height | Output prior to calculation =   * Menu options * Based on selection, prompt for required input   Post calculation =   * Display the area of selected geometric shape * Prompt to run again or quit |