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| **System:** Radius Calculator **Description:** Prompt the user to type in a radius and then make the calculation  **Test by:** Uchechukwu Ferdinand Nkenta **Date:** 5-Nov-2019 | | | | | | |
| **Step Number** | **Pre Requisites** | **Description** | **Steps** | **Expected Result** | **Actual Result** | **Test Result** |
| **1** | System displays a box to type in inputs | Prompt user to type a radius | A prompt is displayed and user types in desired radius | Start up the program | Start up the program | **Pass** |
| **2** | Gets the user input | Since the user input is saved as text, converts user input to number | Takes in the user input and convert it to number | Displays a box for input | Displays a box for input | **Pass** |
| **3** | Based on user input | Calculate the circumference | System makes a calculation | Run calculation | Task calculated | **Pass** |
| **4** | Based on user input | Calculate the diameter | System makes a calculation | Run calculation | Task calculated | **Pass** |
| **5** | Based on user input | Calculate the area | System makes a calculation | Run calculation | Task calculated | **Pass** |
| **6** | Get result after calculation | Display Circumference result | System prints out the result | 150.79644737231 | 150.79644737231 | **Pass** |
| **7** | Get result after calculation | Display diameter result | System prints out the result | 48 | 48 | **Pass** |
| **8** | Get result after calculation | Display the area result | System prints out the result | 1809.5573684677 | 1809.5573684677 | **Pass** |
| **9** | System displays a complete task | Prompt user the user calculation was completed | Prompt user after all calculation | End program and task | End program and task | **Pass** |

**Note:** The Radius result varies based on user input. And in this task I calculated the radius of **24** and the **Result** was accurate as expected.