**AS 2.7: TESTING LOG python calculator**

Test code as you write it. This when you have the best understanding of what it’s supposed to do. When you fix bugs make sure the fixes haven’t broken some other part.

* **For Achieved:** Show in your testing log where you havetested & debugged to ensure that it works on a sample of **expected cases**.
* **For Merit: Test & debug the program effectively to ensure that it works on a sample of both expected cases and relevant boundary cases.**
* **For Excellence: Comprehensively test and debug the program is correct on expected, boundary & invalid inputs.**

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| **Specified Task** | **What is to be Input?** | **What is the Expected Output?** | **What is the Actual Output? (Screen snip)** | **Comments /Decisions** |
| Filling the dictionary | No input | Printing of dictionary with headers as keys then all values under the headers |  | on first test only one value would be added to each key but by adding another elif statement it filled the dictionary properly. No screen of working was added as it is to large |
| Testing inputs for ram | 4gb | You have selected 4GB, then cpu prompt | Attempt 2 | I tried inputting lowercase gb but in the csv file it is upper case so I had to add .upper() for it to work |
|  | 32GB | You have selected 32GB, then cpu prompt |  | Works as intended at boundary value |
|  | 14gb | Invalid input please try again, then ram prompt again |  | Showed invalid input proving input validation worked |
|  | 8 | Invalid input please try again, then ram prompt again |  | Showed invalid input proving input validation worked |
|  | no | Invalid input please try again, then ram prompt again |  | Showed invalid input proving input validation worked |
| Testing cpu inputs | Core i5 | You have selected core i5, then prompt storage | Attempt 2: | Needed to only take the second 2 words from the dictionary as there was other stuff surrounding them. I added this to my code an then it worked |
|  | CORE i3 | You have selected core i3, then prompt storage |  | Works as intended showing boundary value |
|  | no | Invalid input please try again, then prompt again |  | Shows working input validation |
|  | 3 | Invalid input please try again, then prompt again |  | Shows working input validation |
| Testing storage input | 128gb ssd | You have chosen 128GB SSD |  | Works as intended showing boundary values |
|  | 2TB hdd | You have chosen 2TB HDD |  | Works as intended showing boundary values |
|  | no | Invalid input please try again, then prompt again |  | Shows working input validation |
|  | 4 | Invalid input please try again, then prompt again |  | Shows working input validation |
| Options variable contains the correct info | 8gb, core i5, 256gb ssd | A range of numbers in a list | Second version: | Items not sorted properly and are strings, so I have added a float to the append line and fixed the not sorting issue |
| Pricing sorted and printed correctly | 8gb, core i5, 256gb ssd | Your laptop cost will be (range) Euros |  | Worked as intended with the correct range. |
| No laptops meet given specs | 4gb, core i3, 1tb ssd | No laptops fit these specifications |  | Worked as intended |