Cheatsheet for MITx - 6.00.1x using JavaScript, Python and R

I really enjoyed this course and thought its extensions to other languages like R and JS might be useful for myself (and others). I will give a brief summary of most of the content covered in this course and compare and contrast between the three languages.

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| Core Elements of programs | | |
| JavaScript | Python | R |
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| Simple Algorithms | | |
| JavaScript | Python | R |
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| Language specific objects | | |
| JavaScript (arrays, objects) | Python (tuples, lists, dictionaries) | R (dataframes, matrices, vectors, arrays) |
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| Testing and Debugging | | |
| JavaScript | Python | R |
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| Exceptions and Assertions |  |  |
| JavaScript | Python | R |
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| Classes and Inheritance |  |  |
| JavaScript | Python | R |
|  |  |  |
| Computational Complexity | | |
| JavaScript | Python | R |
|  |  |  |
| Searching and Sorting Algorithms | | |
| JavaScript | Python | R |
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