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### 4.2. `insert()`\nSyntax: `list.insert(index, item)`\n```\npython\nmy_list = [1, 2, 3]\nmy_list.insert(1, 4)\nprint(my_list) # Output: [1, 4, 2, 3]\n```\n
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### 4.3. `remove()`\nSyntax: `list.remove(item)`\n```\npython\nmy_list = [1, 2, 3, 2, 4]\nmy_list.remove(2)\nprint(my_list) # Output: [1, 3, 2, 4]\n```\n
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### 4.6. `find()`\nSyntax: `string.find(substring)`\n```\npython\nmy_string = "Hello, World!"\nindex = my_string.find("World")\nprint(index) # Output: 7\n```\n
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### 5.1. List Operations - Slicing\nSyntax: `list[start:end]`\n```\npython\nmy_list = [1, 2, 3, 4, 5]\nmy_slice = my_list[1:4]\nprint(my_slice) # Output: [2, 3, 4]\nmy_slice = my_list[-2:]\nprint(my_slice) # Output: [4, 5]\n```\n
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## 8. Comparing Dates\nSyntax: `compare_date(date1, date2)`\n```\npython\ndef compare_date(date1, date2):\n    month1, year1 = date1\n    month2, year2 = date2\n\n    if year1 < year2:\n        return -1\n    elif year1 > year2:\n        return 1\n    else: # years are equal\n        if month1 < month2:\n            return -1\n        elif month1 > month2:\n            return 1\n        else:\n            return 0\n\n```\n
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