# Computing: Software Dev Unit 3 – SAC 1 Part 2

## Test Table

Select test data to test that every UV Rating works correctly. The first one has been done for you.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time (Hour)** | **Expected Output** | **Actual Output** | | |
| **Hour** | **UV Index** | **UV Rating** |
| 8 | The UV index at hour 8 was 0.96 and the UV rating was Very Low. | ***8*** | ***0.96*** | ***Very Low*** |
| 9 | The UV index at hour 9 was 2.56 and the UV rating was Low. | 9 | 2.56 | low |
| 14 | The UV index at hour 14 was 9.37 and the UV rating was Very High. | 14 | 9.37 | Very high |
| 7 | The UV index at hour 7 was 0.34 and the UV rating was Very Low. | 7 | 0.34 | Very low |
| 16 | The UV index at hour 16 was 4.34 and the UV rating was Moderate. | 16 | 4.34 | Moderate |
| 6 | The UV index at hour 6 was 0.09 and the UV rating was Very Low. | 6 | 0.09 | Very low |
| 22 | Please enter a time of day between 5 (5am) and 20 (8pm) |  |  | Please enter a time of day between 5 (5am) and 20 (8pm) |

The following tables shows the UV index at each hour for  
2 January 2019, in Melbourne.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | Time (Hour of day) | UV Index | | 5 | 0.01 | | 6 | 0.09 | | 7 | 0.34 | | 8 | 0.96 | | 9 | 2.56 | | 10 | 7.64 | | 11 | 9.61 | | 12 | 10.86 | | |  |  | | --- | --- | | Time (Hour of day) | UV Index | | 13 | 11.01 | | 14 | 9.37 | | 15 | 6.91 | | 16 | 4.34 | | 17 | 2.21 | | 18 | 0.84 | | 19 | 0.17 | | 20 | 0.01 | |  | |  |  | | --- | --- | | **UV Index** | **UV Rating** | | **11+** | **Extreme** | | **8 to 10.99** | **Very High** | | **6 to 7.99** | **High** | | **3 to 5.99** | **Moderate** | | **1 to 2.99** | **Low** | | **0 to 0.99** | **Very Low** | |

***\*Note:*** *the UV index before hour 5 (5am) and after hour 20 (8pm) is negligible.*