CT331 Assignment 3

Declarative Programming with Prolog

Andrew Reid East

16280042

C:\Users\deskase\AppData\Local\Microsoft\Windows\INetCache\Content.Word\fa-github-square.png <https://github.com/reideast/ct331_assignment3>

# Question 1

|  |  |  |
| --- | --- | --- |
| 1. | sunny AND warm | True |
| 2. | sunny AND cold | False |
| 3. | sunny OR cold | True |
| 4. | (sunny OR cold) AND warm | True |
| 5. | happy XOR sunny | False |
| 6. | warm XOR (NOT happy) | True |
| 7. | early NAND happy | False |
| 8. | (late NOR (NOT early)) AND (windy OR (NOT warm)) | True |
| 9. | (cloudy AND windy) AND (warm AND early) | False |
| 10. | (cloudy AND windy) XOR (warm OR early) | True |

# Question 2

1. teaches(INSTRUCTOR, STUDENT) :- instructs(INSTRUCTOR, CLASS),takes(STUDENT, CLASS).