<u>**Week 2 reflective journal**</u>

Aim

The goal of this assessment is to encourage weekly reflection of the material and concepts you are learning as you go. This will help you put what you are learning into context, and to find online materials which help build your understanding.

Task 1

Write a condition action table for a UV warning system. If UV index is 11 or above, display "extreme risk". 8 to 10 is "very high risk". 6 and 7 is "high risk". 3 to 5 is "moderate" risk. Less than 3 is "low risk".

Task 2

Write pseudocode or draw a flowchart to represent the decision for the following condition action table. Think about how to design the decision to reduce complication but still achieve the same outcome.

Condition	Action
price > 1000 AND country = "AU"	shipping_price = 0
price <= 1000 AND country = "AU"	shipping_price = 5
country != "AU"	shipping_price = 10

Task 3

Determine whether the following Boolean algebra expressions evaluate to TRUE or FALSE. Assume the following variables are set:

- temperature = 33
- age = 44
- price = 700

A. temperature < 40 OR age > 70

B. NOT (price > 1000 AND temperature < 30)

C. temperature > 37 AND age < 12 OR price < 1000

Task 4

Write pseudocode to find the largest value in a list of numbers.

Submission

Each week's journal should be submitted to JCU Online in either Word (.docx) or PDF (.pdf) format.

You are free to use any editor you like, but please ensure you export/save your file in one of those two formats.

Please name your file LastnameFirstname.ext (for example John Smith's word document would be named SmithJohn.docx).