

UCT31021 – PRACTICAL FOR ARTIFICIAL INTELLIGENCE
DEPARTMENT OF ICT
FACULTY OF TECHNOLOGY
SOUTH EASTERN UNIVERSITY OF SRILANKA

Labsheet: 03

Date: 20th June 2023

Title: Loops and Decision Making.

Task1: IF-Then- Else Condition

1. Write a rule to compares two numbers.
2. Allow user to insert two numbers to compare the numbers.
3. Write a rule to determine the student Grade according to the following information.
 - User enter the 3 marks.
 - Calculate the average of above marks.
 - If the student average is greater than or equal 50, then “Pass”.
 - Else average is less than 50, then “Fail”.

Task2: Loop with condition

1. Create a knowledge base to
 - I. Display 5 times of “Looping...”
 - II. count the numbers until 10.
 - III. the integer value from a specified value down to 1.

Task3:

1. Calculate the density of each District.

$$Density = \left(\frac{Population}{Area} \right)$$

- Define the suitable set of facts to represent the population and Area.
- Create a rule to calculate the density.

District	Area	Population
Kandy	160	1650
Ampara	450	865
Jaffna	265	798
Colombo	80	3650