**Look at control structures**

* sequence
* conditionals – if else, if, elif, else
* iteration – while, for , repeat until

\* if else, if, elif, else

* Binary selection
* Multiway selection

**Control structure**

**Iteration – Repetition - “Loops”**

* To repeat sections of code

**Counted loop**

* For loop
* Python e.g

For i in range(1,10):

print(i)

**Pre-Test Loop**

x = 0

y = 10

while (x < 11) and y == 10:

Display x

x+=1

End while

Display “lift off”

**REPEAT**

Display x

X = x+1

Until x ==10

(Doesn’t exist inside python)

Pseudocode is a simplified, informal way of describing an algorithm using plain language and basic programming concepts without adhering to any specific programming value

* all programs have I/P/O – inputs, process, outputs
* conditions in conditionals / selection
* use logical operators
* <>, != not equal

**Flowchart**

Process - Rectangle: Used for creating or modifying data within a program, e.g. creating variables or performing calculations.

Input/Output - Parallelogram: Used when the program is reading in information (e.g. input()) from the user, or providing the user with information (e.g. print()).

Decision - Diamond: Used for conditionals, i.e. if-elif-else statements any time there is a point in the program where we check if something is True or False.