**Writing Algorithms**

When writing Algorithms you can either write them using a Flowchart or Pseudo Code

When using a **flowchart** these are the standard symbols:

Decision

Shows Data Flow

Input/Output

Process

Examples of Sequence, Selection and Loops in Flowcharts

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Standard Key Words to use in **Pseudo Code**

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| --- | --- |
| **Technique** | **Example** |
| **Selection/Conditional Statement** | **IF** *condition* **THEN**  *true alternative* **ELSE**  *false alternative***ENDIF**  |
| **Iteration/Loops** | **FOR** *i to/in …**statements to carry out***END** FOR**WHILE** *condition* **THEN***statements to carry out***END WHILE****REPEAT** *statement* **UNTILL …** |
| **Operators** | > Greater Than< Less Than>= Greater than or equal to<= Less than or equal to== Equal To= Equals!= not equal to |
| **Input and Output** | **INPUT….****OUTPUT…** |
| **Function/Procedure** | **PROCEDURE** *name***END PROCEDURE****FUNTION** *name***END FUNTION** |