— Sum a lot, max in Away, min in Away

You should choose one algorithm you have worked with in class. Guidance will be provided by your tutor.

Your report will contain two main parts (1) The flow diagram for your algorithm which is labelled to show both *control flow* and *data flow*. (2) Annotated code which is labelled to show *control flow* and *data flow* and also the goal hierarchy of the program.

Please read the grading matrix. Note that no journal references are required for this assignment, but your quality of writing will be assessed.

Your report should be structured as follows. Please add page numbers in the header or footer.

1) Title page: Student number, module name, assignment number, date.
2) Introduction: State the algorithm you have chosen and its main goal
3) Flow diagram labelled to show both *control flow* and *data flow*
4) Annotated code: labelled to show *control flow* and *data flow* and also the goal hierarchy of the program
5) Explanation of how the code and flow diagram are related.

You are also required to submit your code and log files to the separate drop-box in Blackbeard.

	Knowledge and Understanding			Communication
Grade	**Annotated Code**	**Flow Diagram**	**Explanation**	**Quality of Writing**
	30%	**30%**	**30%**	**10%**
A	Annotated code is both comprehensive **AND** detailed	Correct diagram with use of **both** selection **and** iteration constructs. Data flow **and** control flow are indicated	Explanation is both comprehensive **AND** detailed	Connexions between the report sections are strong and produce a very *coherent* report.
B	Comprehensive **OR** detailed annotated code.	Correct diagram with use of **both** selection **and** iteration constructs. Data flow **or** control flow is indicated. *max /m~*	Comprehensive **OR** detailed explanation.	In addition, some connexions between report sections are made.
C	Annotated Code presented	Correct diagram with use of **either** the selection **or** the iteration construct. Data flow **or** control flow is indicated.	Explanation of how the code corresponds to the flow diagram.	Correct spelling and grammar. Conforms to the template provided

sum