Control structures

Our python code contains many different control structures that do many different things.

The first structure is the binary selection structures, which is a choice of two different paths. This is a fundamental part of how out program works and to all logic in programs because deciding between not doing something and doing something based on conditions is a base function of logic. The advantage of using it is that it is simple on a computer to run and uses little memory.

Another structure use commonly is the pre-test loop where a condition is tested at the beginning of a loop, which loops until this condition changes to the defined state. Using this allows the program to loop indefinitely, which is how the program runs indefinitely. The advantage of using this is that you can loop

The third structure is a counting loop. This is where a set algorithm loops for a defined amount of time. This is used in our program to loop for every word in the dictionary and the offensive words to search for a match

The forth structure we use is the sequence structure. This is basically a list of statements executed in a list. This is fundamental for programing as this is basically how a computer runs code.

These structures are all equally important in how our program runs. They also all have very different uses where the binary selection chose direction, the pre-test loop is a loop structure, the sequence structure is what all structures need to run in proper order and the algorithm loops are useful when you need to run a algorithm set number of times.