**C Programming**

Work out how to use the following -

* Primitive Variables
  + how to store integers, floats, boolean and character data
  + how to create an array
* Input & Output
  + puts() to output raw strings
  + printf() to output formatted output
  + gets() to read a string
* Conditions
  + if
  + if else
  + if else if else
  + switch
* Loops
  + A for loop
  + A while loop
  + A do while loop
* Functions
  + a function with no arguments or return value
  + a function with a return value
  + a function with arguments and a return value
  + a function declaration
* #define to create a constant
* Linux Input Output Redirection

Write a program that will store the value 65 as an integer and then use printf to output that integer as an integer (%d), a float (%f) and a character(%c). What gets output and why?

Write a program that inputs a line of text from the keyboard and outputs each character on a separate line.

Write a program that reads text from a file and outputs it to another file, doubling each character. (So “Hello” would become “HHeelllloo”).