**SENG 102 LABWORK 5**

1. **Write a C program that finds the character with the highest frequency in a file. Display which character it is and how many times it appears. You can use the file uploaded with the labwork with the name *frequency.txt* to test your program.**
2. **Write a C program to extract a substring from a given string.**

**Sample run:**

**Enter a string: extract a substring**

**Enter the index of the first character of the substring: 11**

**Enter the length of the substring: 6**

**The substring is: substr**

1. **Write a C program that reads a string input from a file and converts all lowercase letters to uppercase and vice versa. You can use the file uploaded with the labwork with the name *lowerUpper.txt* to test your program. You can use the *ctype.h* library for uppercase-lowercase conversion functions.**