**REQUIREMENTS**

**HARDWARE AND SOFTWARE REQUIREMENTS**

* Code::Blocks IDE (version 20.03) using GCC compiler.

This project uses the concept of file handlers and switch statements. The entire project is divided into various functions to increase the reusability, readability and this allows to modify and update different functionalities without affecting the entire code.

*File handling*-File**s** are used to store data in a storage device permanently. File handling provides a mechanism to store the output of a program in a file and to perform various operations on it. It provides proficiency for reusability and large storage capacity.Thus,this concept is used here.

*Switch cases*- are used here to test the value of a variable and compare it with multiple cases. Once the case match is found, a block of statements associated with that particular case is executed. It makes the error detection easier as the program is divided into different modules through these cases. It is generally used when many values for a variable are to be compared.

* Programming Language Used: C programming
* Input Device: Basic keyboard and touchpad
* Output Device: Standard colour Monitor
* Operating System: Windows 8 and above having a processor 32 bit or above