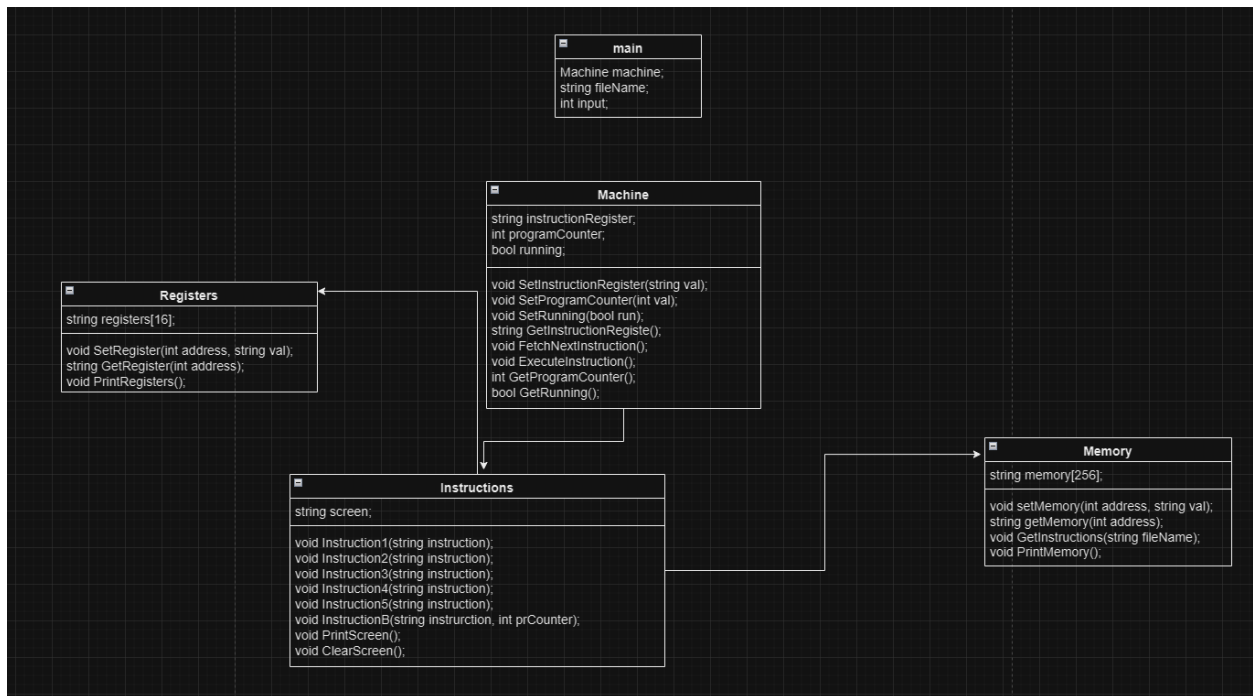


Task 3

احمد تامر فتحي – 20220013

محمد مصطفى علي – 20220309

يوسف ناصر محمد – 20220416



احمد تامر فتحي	يوسف ناصر محمد	محمد مصطفى علي
Instruction 3 Instruction 5 Main	Instruction 4 Instruction C Instruction B Instruction 2	Instruction 1 Machine Memory Registers

Group Bonus 1: Task 4 (1.5 mark) – Static Code Analysis and Code Quality

Report :

There is one high risk errors (V591 Non-void function should return a value. BigReal.cpp(469))
And a lot of medium risk errors (V813 Decreased performance. The 'number' argument should probably be rendered as a constant reference. BigReal.cpp(14),
V815 Decreased performance. Consider replacing the expression 'res == ""' with 'res.empty()'. BigReal.cpp(251)
, V820 The 'number' variable is not used after copying. Copying can be replaced with move/swap for optimization. BigReal.cpp(124)) .

The tool is very useful to make the performance better and to use less memory and it is also know the corner cases.