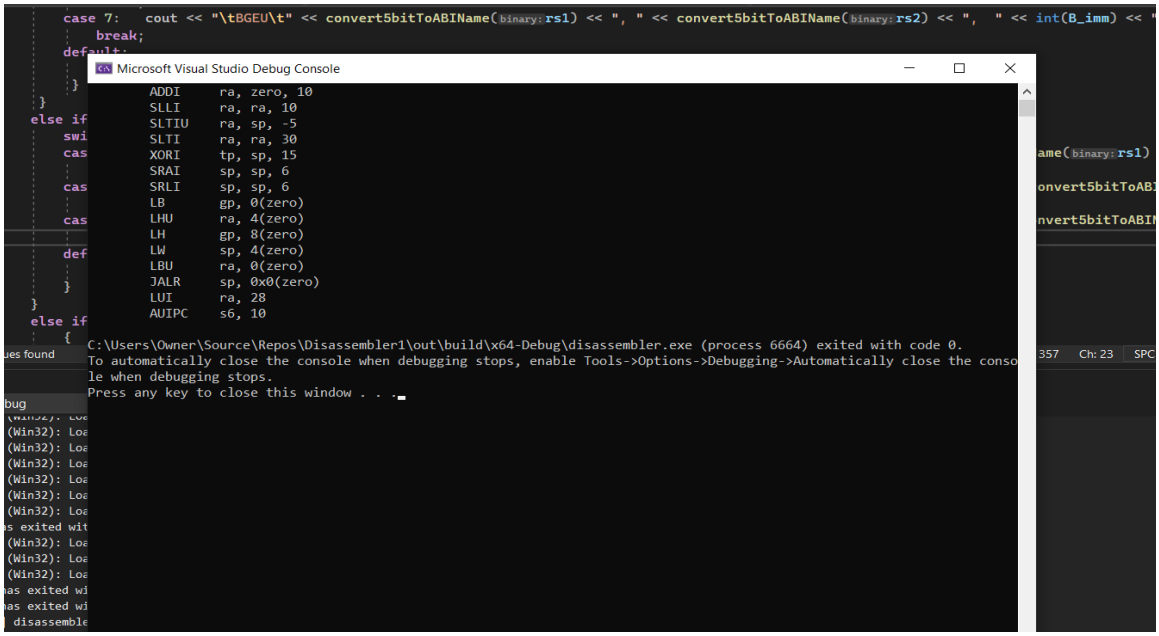
I instructions (32 bits)

Instruction name	Hex representation
addi x1, x0, 10	0x00a00093
slli x1, x1, 1	0x00a09093
sltiu x1, x2,	0xffb13093
slti x1, x1, 30	0x01e0a093
xori x4, x2, 15	0x00f14213
srai x2, x2, 6	0x40615113
srli x2, x2, 6	0x00615113
lb x3, 0(x0)	0x00000183
lhu x1, 4(x0)	0x00405083
lh x3, 8(x0)	0x00801183
lw x2, 4(x0)	0x00402103
lbu x1,0(x0)	0x00004083
jalr x2, 0(x0)	0x00000167
lui x1, 40	0x000280b7
auipc s6, 16	0x00010b17

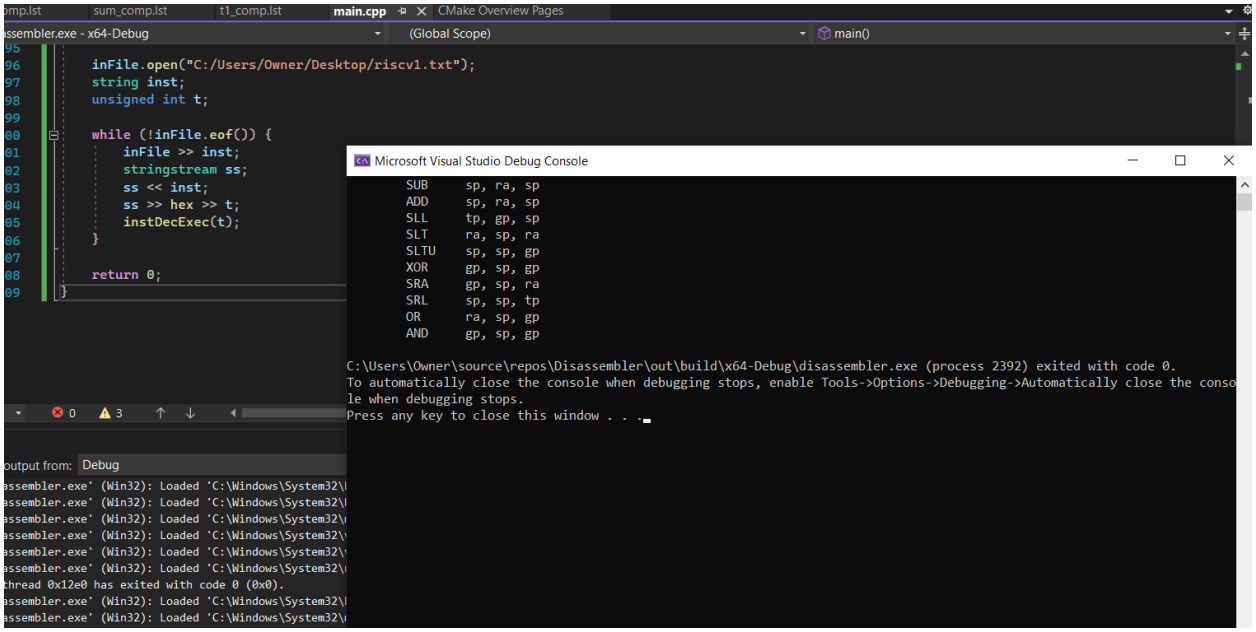
Screenshot:



R instructions (32 bits)

Instruction	Hex representation
sub x2, x1, x2	0x40208133
add x2, x1, x2	0x00208133
sll x4,x3,x2	0x00219233
slt x1,x2,x1	0x001120b3
sltu x2,x2,x3	0x00313133
xor x3,x2,x3	0x003141b3
sra x3,x2,x1	0x01151b3
srl x2,x2,x4	0x00415133
or x1, x2, x3	0x003160b3
and x3,x2,x3	0x003171b3

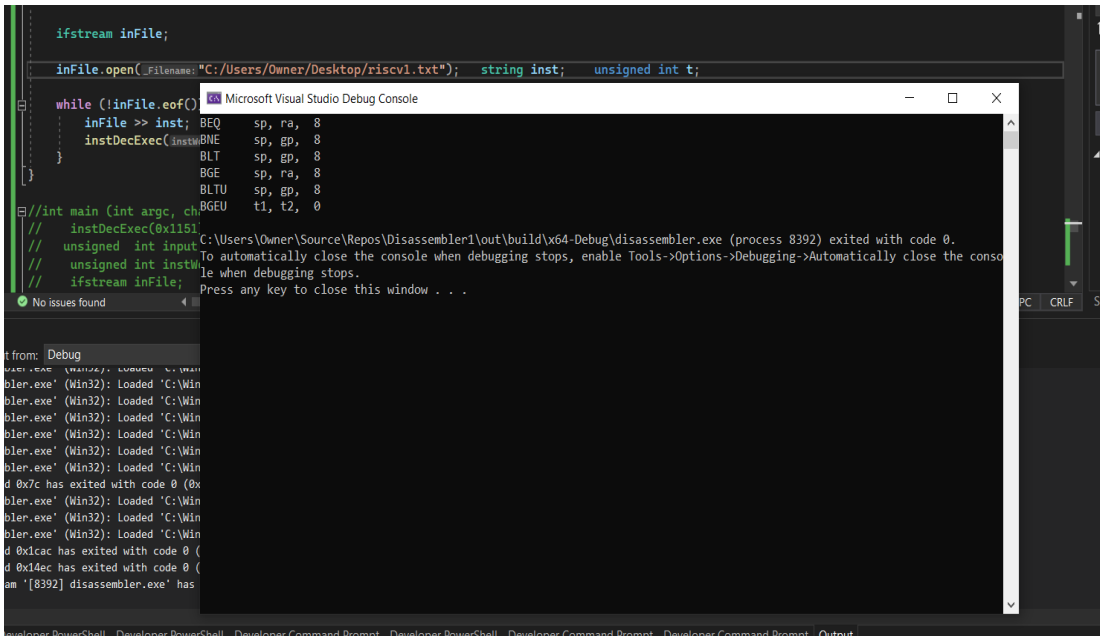
screenshot:



B instructions and J instructions

Instruction	Hex representation
beq x2,x1,L3	0x00110463
bne x2,x3,L4	0x00311463
blt x2,x3,L2	0x00314463
bge x2,x1,L2	0x00115463
bltu x2,x3,L3	0x00316463
L1: bgeu t1,t2,l1	0x00737063
jal x1,L5	0x008000ef

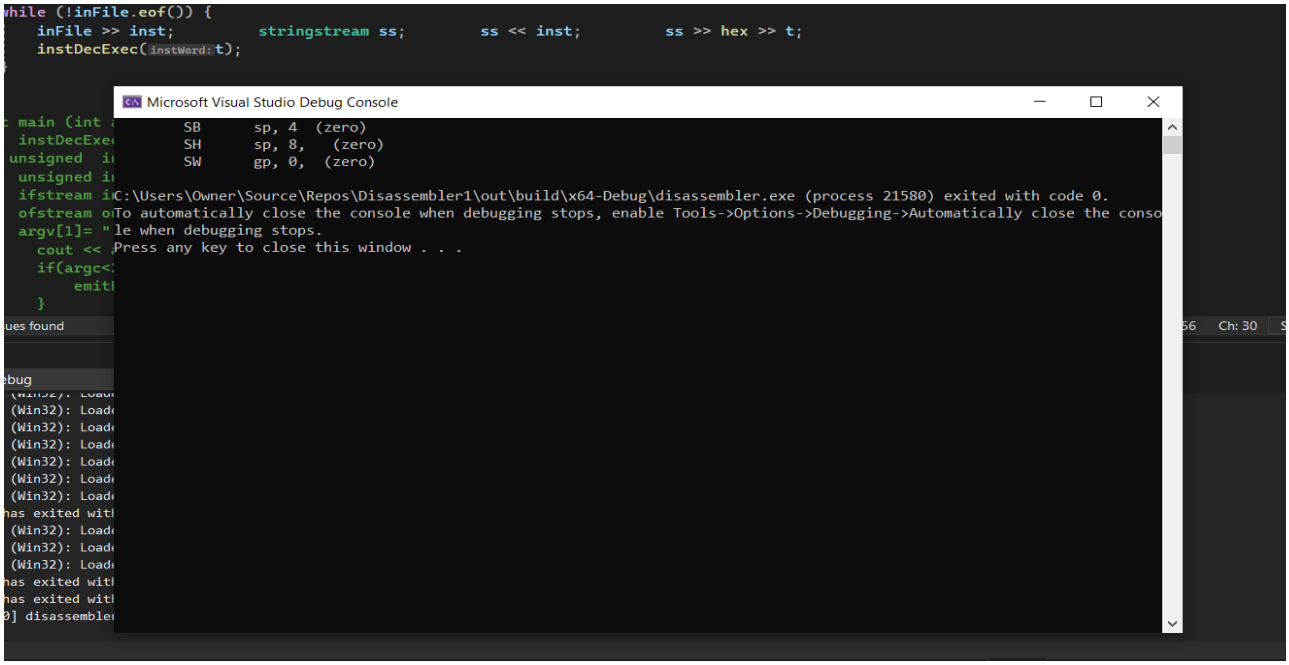
screenshot:



S instructions:

instruction	Hex representation
sb x2, 4(x0)	0x00200223
sh x2, 8(x0)	0x00201423
sw x3, 0(x0)	0x00302023

Screenshot:


while (!inFile.eof()) {
inFile >> inst;
stringstream ss;
ss << inst;
ss >> hex >> t;
instDecExec(instWord:t);
Microsoft Visual Studio Debug Console
SB sp, 4 (zero)
SH sp, 8, (zero)
SW gp, 0, (zero)
C:\Users\Owner\Source\Repos\Disassembler1\out\build\x64-Debug\disassembler.exe (process 21580) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
Ch: 30

Code used for test run:
(file contains one instruction per line in hexadecimal)

```
int main(){

        ifstream inFile;


inFile.open("riscv1.txt");
        string inst;
unsigned int t;


while(!inFile.eof()){
        inFile>>inst;
        stringstream ss;
        ss<<inst;
ss>>hex >> t;
instDecExec(t);

        }
}
```