



Entries

runOnMachineFunction

llvm/include/llvm/CodeGen/AsmPrinter.h

```
SetupMachineFunction(MF);  
emitFunctionBody();
```

emitFunctionBody

llvm/lib/CodeGen/AsmPrinter/AsmPrinter.cpp

```
for (auto &MBB : *MF) {  
    for (auto &MI : MBB) {  
        emitInstruction(&MI);
```

RISCAsmPrinter

emitFunctionBody

llvm/lib/Target/RISCV/RISCVAsmPrinter.cpp

```
if (!lowerRISCVMachineInstrToMCInst(MI, TmpInst, *this))  
    EmitToStreamer(*OutStreamer, TmpInst);
```

EmitToStreamer

llvm/lib/Target/RISCV/RISCVAsmPrinter.cpp

```
AsmPrinter::EmitToStreamer(*OutStreamer, Res ? CInst : Inst);
```

EmitToStreamer

llvm/lib/CodeGen/AsmPrinter/AsmPrinter.cpp

```
S.emitInstruction(Inst, getSubtargetInfo());
```

EmitToStreamer

llvm/lib/MC/MCAsmStreamer.cpp

```
InstPrinter->printInst(&Inst, 0, "", STI, OS);
```

RISCVInstPrinter

printInst

llvm/lib/Target/RISCV/MCTargetDesc/RISCVInstPrinter.cpp

```
printInstruction(NewMI, Address, STI, O);
```

printOperand

llvm/lib/Target/RISCV/MCTargetDesc/RISCVInstPrinter.cpp

```
if (MO.isReg()) {  
    printRegName(O, MO.getReg());  
}  
if (MO.isImm()) {  
    O << MO.getImm();  
}
```

RISCVGenAsmWriter.inc

printInstruction

llvm/lib/Target/RISCV/RISCVGenAsmWriter.inc

```
printOperand(MI, 0, O);
```