

### **Our Team**



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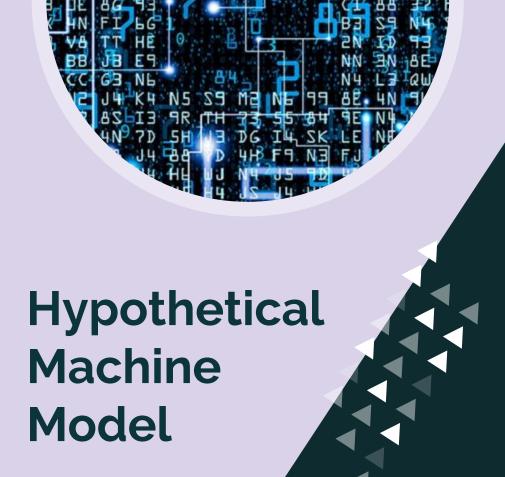
## 



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## Python Compiler

- Constructs handled:
  - If-else
  - while
- Optimizations:
  - Packing temporaries
  - Constant propagation
- Used C language till optimisation of ICG
- Used python for target code generation



1) Load/Store Operations:

ST <loc>, R LD R, <loc>

- 2) Move Operations: MOV R<sub>d</sub>, #<num>
- Arithmetic Operations: <ADD/SUB/MUL/DIV> R<sub>d</sub>, R<sub>1</sub>, R<sub>2</sub>
- 4) Compare Operations: CMP<cond> R<sub>d</sub>, R<sub>1</sub>, R<sub>2</sub> (<cond>: E for ==, NE for !=, G for >, L for <, GE for >= or LE for <=)
- **5) Logical Operations:**NOT R<sub>d'</sub> R
  <AND/OR> R<sub>d'</sub> R<sub>1</sub>, R<sub>2</sub>
- **6) Conditional Branch:** BNEZ R<sub>d</sub>, label
- 7) Unconditional Branch: BR label



#### **Reference Links**

- 1) Introduction to Yacc
- 2) Intermediate Code Generator
- 3) <u>Target Code Generation</u>
- 4) <u>Javatpoint Code Generation</u>
- 5) <u>UC Davis Code Generation</u>

```
ges.arguments; for(1)
   mew Image; d.MM_p[j+].src
D the indexOf("2"))>Ossparent.frame
```

decement; n=n. substring(0,p):)

(1-0; X coicd.forms.length;

th:1++) x=MM findObj(n,d.layers(x

# Thank You!