MOTIVATION
DEVELOPMENT

StockX

MathLang
ROLES AND RESPONSIBILITIES

- Ravie: Scanner, Parser, Code Gen
- Sophie: Semantic Checker, AST
- Testing
TESTS

test-helloworld.mlang

```mlang
int main()
{
    print(1);
    printf(true);
    printf(1.0);
    printf("Hello World!");
    return 0;
}
```

test-helloworld.out

```
1
1
1.000000
"Hello World!"
```

test-add.mlang

```mlang
int add(int x, int y)
{
    return x + y;
}

int main()
{
    printf(add(17, 25));
    return 0;
}
```

test-add.out

```
42
```
DEMO
LESSONS LEARNED

- TEAM WORK IS HARD BUT ALSO PAYS OFF
- THINGS TAKE LONGER THAN YOU THINK