Sample of Quiz 1 (theory)

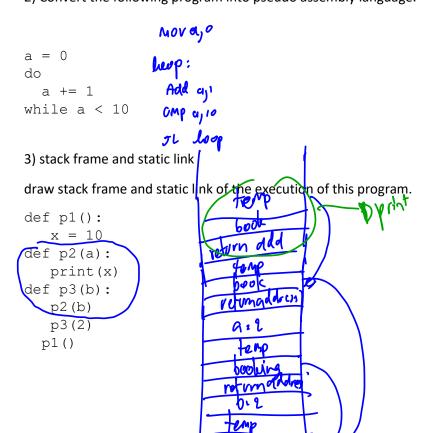
topics

name, scope, binding, control flow, types

1) name scope

This language has static scope. What this program prints?

2) Convert the following program into pseudo assembly language.



4) assume the following language is "dynamic" scoping. When run this program, what does it print? (of course, this program looks like C, and C has static scope. However, assume this program is "dynamic scope").

```
int x = 10;
int f() {
  return x;
}

int g() {
  int x = 20;
  return f();
}

main() {
  printf(g());
}
```

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