

Code Completion in ClangRepl

Student: Yuquan (Fred) Fu

Mentor: Vassil Vassilev

Problems

```
clang-repl> struct WhateverMeaningfulLooooooooooooongName{ int field;};  
clang-repl> WhAT??
```

Solutions:

1. Type everything
2. Copy 'n' paste
3. ?

Code Completion

—

```
clang-repl> struct WhateverMeaningfulLooooooooooooongName{ int field;};  
clang-repl> Wh<tab>
```

```
clang-repl> struct WhateverMeaningfulLooooooooooooongName{ int field;};  
clang-repl> WhateverMeaningfulLooooooooooooongName
```

```
clang-repl> struct Whale{ std::string family;};  
clang-repl> Wh<tab>
```

```
clang-repl> struct WhateverMeaningfulLooooooooooooongName{ int field;};  
clang-repl> WhateverMeaningfulLooooooooooooongName
```

```
clang-repl> struct Whale{ std::string family;};  
clang-repl> Wh  
Whale  
WhateverMeaningfulLooooooooooooongName
```

Semantic Code Completion

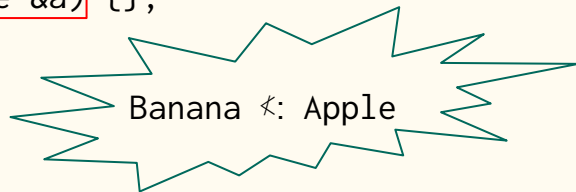
—

```
clang-repl> struct Apple{ int price;};  
clang-repl> struct Banana{ int StoreID;};  
clang-repl> void getApple(Apple &a) {};
```

```
clang-repl> Apple f1(10);  
clang-repl> Banana f2(42);  
clang-repl> getApple(f<tab>
```

```
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clang-repl> void getApple(Apple &a) {};
```

```
clang-repl> Apple f1(10);  
clang-repl> Banana f2(42);  
clang-repl> getApple(f  
f1  
f2
```



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clang-repl> struct Banana{ int StoreID;};  
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```

```
clang-repl> Apple f1(10);  
clang-repl> Banana f2(42);  
clang-repl> getApple(f1
```

Q & A

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