Rust

```
Rust Rust "" C C++ Go JavaScript Rust
Rust Rust
Rust Scala Swift
let x = 8;
Rust
let x: i32 = 8;
x 8 x 8 "i32" 8 i32......
let mut x = 8;
Swift/Scala let var
Rust ""
let mut x: i32 = 1;
x = 7;
let x = x; // x
let y = 4;
// 30 lines of code ...
let y = "I can also be bound to text!";
// 30 lines of code ...
println!("y is {}", y);  // let y
Yin y y x
y'''' let y = 4 y 30 y 30 y y let y
let y = \dots
Rust C# Java
int x = 8;
let x = 8; // x = i32
\times i32"i32" C# C# varbool
var correct = ...;
var id = ...;
var slot = ...;
var user = ...;
var passwd = ...;
Visual Studio Visual Studio github code review C# Java
```

Rust C Java Rust

```
"
Rust ""
let mut y = 5;
let x = (y = 6); // x has the value `()`, not `6`
x tuple() OCaml OCaml OCaml print_string
print_string "hello world!\n";;
hello world!
- : unit = ()
print_string """statement" C printf"" OCaml "" () () C voidC void
int main()
{
 void x;
C int void void void
Rust y = 6 () y = 6 "" 6 y let x = (y = 6); y = 6 () tuple ()
let x = (y = 6); y = 6 Rust
JavaScript PHP undefined
return
Rust "" Rust "return"
fn add_one(x: i32) -> i32 {
   x + 1
return return
fn foo(x: i32) -> i32 {
   return x + 1;
}
un
fn main() {
   println!("{}", add_one(7));
fn add_one(x: i32) -> i32 {
 if (x < 5) {
     if (x < 10) {
       // ...
x * 2
     } else {
```

if if "return" "return" "return" if ""

"return"Rust "poor style"

// ...

} else {
 // ...
 x / 2
}

un

```
Rust Swift Swift Rust "mut"
```

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```
fn main() {
   let m = [1, 2, 3];
   m[\Theta] = 10;
   m = [4, 5, 6];
fn main() {
   let mut m = [1, 2, 3]; //
   m[\Theta] = 10;
   m = [4, 5, 6];
                         //
}
Rust GCRC""
N GC RC GC RC
Rust move semantics, borrowing, lifetime blog ""
Rust "fight with the borrow checker" lifetime parse
fn foo<'a, 'b>(x: &'a str, y: &'b str) -> &'a str {
Rust lifetime 'a 'b lifetime lifetime
Rust move semantics C Lifetime
Rust Linear Logic 1
""workaroundGCRC
lifetime C "" :P
..... Rust C Rust C JavaC# Swift Rust .....
```