

Abstract return types (written `impl Trait` for some trait `Trait`) are only allowed as function and inherent impl return types.

Erroneous code example:

```
fn main() {
    let count_to_ten: impl Iterator<Item=usize> = 0..10;
    // error: `impl Trait` not allowed outside of function and inherent method
    //      return types
    for i in count_to_ten {
        println!("{}", i);
    }
}
```

Make sure `impl Trait` only appears in return-type position.

```
fn count_to_n(n: usize) -> impl Iterator<Item=usize> {
    0..n
}

fn main() {
    for i in count_to_n(10) { // ok!
        println!("{}", i);
    }
}
```

See [RFC 1522](#) for more details.