Note: this error code is no longer emitted by the compiler. You used a function or type which doesn't fit the requirements for where it was used. Erroneous code examples:

```
#![feature(intrinsics)]
extern "rust-intrinsic" {
    fn size_of<T>(); // error: intrinsic has wrong type
// or:
fn main() -> i32 { 0 }
// error: main function expects type: `fn() {main}`: expected (), found i32
// or:
let x = 1u8;
match x {
    0u8..=3i8 \Rightarrow (),
    // error: mismatched types in range: expected u8, found i8
    _ => ()
}
// or:
use std::rc::Rc;
struct Foo;
impl Foo {
    fn x(self: Rc<Foo>) {}
    // error: mismatched self type: expected `Foo`: expected struct
               `Foo`, found struct `alloc::rc::Rc`
    //
For the first code example, please check the function definition. Example:
#![feature(intrinsics)]
extern "rust-intrinsic" {
    fn size_of<T>() -> usize; // ok!
The second case example is a bit particular: the main function must always have
this definition:
fn main();
```

They never take parameters and never return types.

For the third example, when you match, all patterns must have the same type as the type you're matching on. Example:

```
let x = 1u8;
match x {
          0u8..=3u8 => (), // ok!
          _ => ()
}
And finally, for the last example, only Box<Self>, &Self, Self, or &mut Self work as explicit self parameters. Example:
struct Foo;
impl Foo {
          fn x(self: Box<Foo>) {} // ok!
}
```