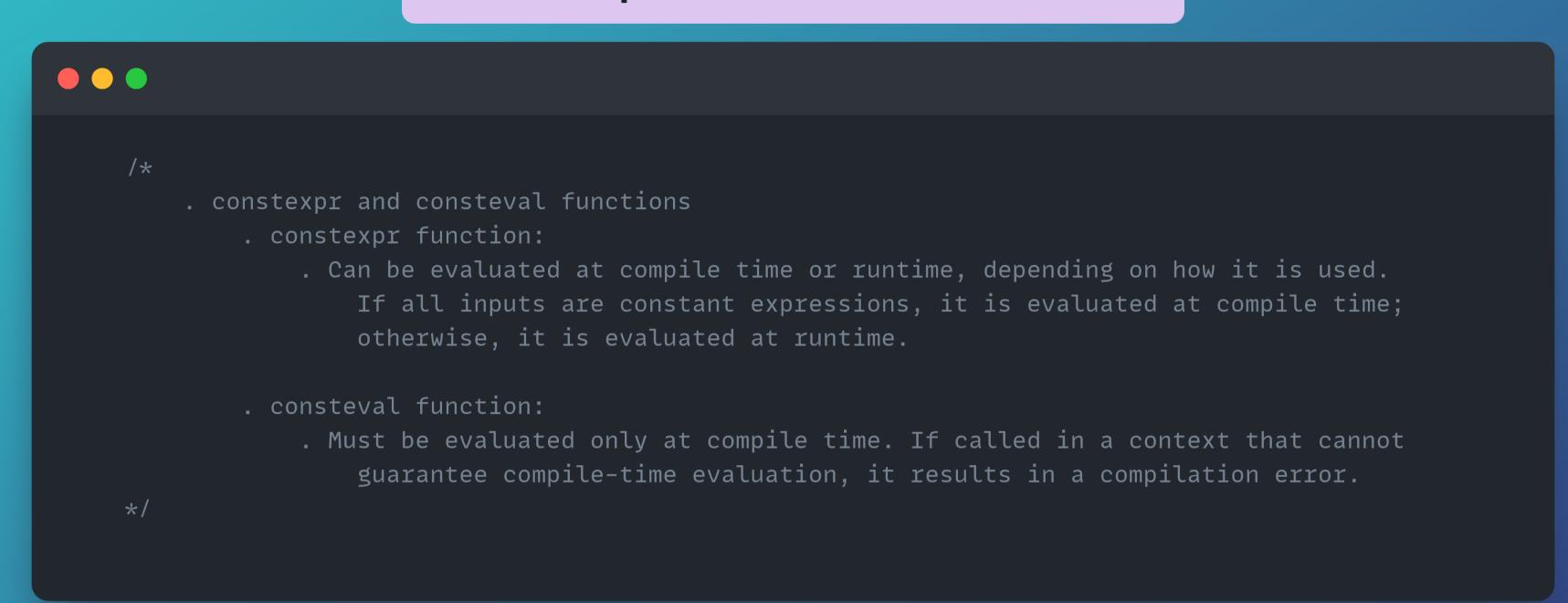
## constexpr and consteval functions



## constexpr and consteval functions

```
// Marking a function as constexpr gives it the potential
// to be evaluated at compile time

export constexpr int get_value(int multiplier) {
    return 3 * multiplier;
}
```

```
// Evaluate this function at compile time. If you can't
// do that throw a compiler error
export consteval int get_value(int multiplier) {
   return 3 * multiplier;
}
```

## constexpr and consteval functions

```
// For the evaluation to take place at compile time, we have
// to remember to store the return value in a constexpr result variable.

constexpr int result = get_value(4);// Compile time
print_number(result);

/*
int some_var{5}; // Run time variable
int result = get_value(some_var); // Run time
print_number(result);
*/
```