```
- 03 Coro
   #include <iostream>
   #include (coroutine)
  class Coro {
   public:
        struct promise_type;
        using handle_type = std::coroutine_handle<promise_type>; I
        struct promise_type {
            Coro get_return_object()
                 return Coro{ handle_type::from_promise(*this) };
5
6
             auto initial suspend()
7
                  return std::suspend_always();
19
20
21
              auto final_suspend()noexcept
22
                  return std::suspend_always();
23
24
25
              void unhandled_exception()
26
27
28
29
30
              void return_void()
31
 32
 33
 34
 35
           };
 36
 37
           Coro(handle_type h) : h_(h) {}
 38
       private:
 39
           handle_type h_;
 40
 41
  42
  43
      Coro cfunc()
  45
  46
  47
            co_await std::suspend_never{};
  48
            std::cout << "necati ergin\n";
  49
```

```
int main()
{
   using namespace std;
   boolalpha(cout);

   Coro::handle_type handle1;

   cout << (handle1 == nullptr) << '\n';</pre>
```

dolati na edusia) nulph == sagus yapubia)

```
int main()
                                                           + nullable type oldgy rain, nullate atomos, ypplebilic!
{
     using namespace std;
     boolalpha(cout);
     auto f = cfunc();
     auto handle = f.h_;
     cout << (handle != nullptr) << '\n':
     if (handle) {
          cout << "dolu durumda\n";
```

HAddress / From Address Functions:

```
int main()
    using namespace std;
    auto f = cfunc();
     auto handle = f.h_;
     void* vptr = handle.address();
                This ognil
     auto handle2 = decltype(handle)::from_address(vptr);
     cout << (handle == handle2) << '\n';</pre>
                   tre statement
```

(4) Corolline hardle bit genetic typetic. fromise type , templete organization olarek alic. Foret smilin word > specialization) gran goneu year! -> You cocourse tandle namedian, cocourse handed void torine logging biriz

```
int main()
    using namespace std;
    auto f = cfunc();
     coroutine_handle<> vhandle = f.h_;
```

Folest Moid adulminin promise Anthrigan yolk coroutine_handle<> vhandle = f.h_; vhandle. address destroy done poperator bool resume Ptr

3 0 0