```
<html><head></head><body><pre style="word-wrap: break-word; white-space:
pre-wrap;">#include <type traits&gt;
#include <iostream&gt;
template<typename T&gt;
auto thing(T& t) -> T&
{
 return t;
template<typename T&gt;
auto getThing(T& t) -> decltype(auto)
 return thing(t);
}
template<typename T&gt;
auto getThingCollapsed(T& t) -> auto
{
 return thing(t);
}
int main()
 int x = 5;
 int& starting_thing = x;
 std::cout <&lt; "Determine if return type is int&amp;" &lt;&lt;
std::endl;
 std::cout <&lt; "With decltype(auto): ";
 std::cout <&lt; std::boolalpha &lt;&lt;
std::is_same<decltype(getThing(starting_thing)),
int&>::type::value <&lt; std::endl;
 std::cout <&lt; "With auto: ";
 std::cout <&lt; std::boolalpha &lt;&lt;
std::is same<decltype(getThingCollapsed(starting thing)),
int&>::type::value <&lt; std::endl;
 return 0;
}</body></html>
```