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| --- | --- | --- | --- | --- | --- |
|  | | **작성자** | **2014132002 구태균** | **팀명** | - |
| **주차** | **6 주차** | **기간** | **2020.02.17~2020.02.23** | **지도교수** | **정 내 훈** (서명) |
| **이번주 한일** | * Class shared\_ptr 코드 구현   : 5주차 (GCC shared\_ptr)으로 구현 | | | | |

1. namespace std

-> namespace LFSP

1. template<\_Tp>

class shared\_ptr : public \_\_shared\_ptr<\_Tp> {

[\_\_shared\_ptr<\_Tp>]

element\_type\* \_M\_ptr;

\_\_shared\_count<\_Lp> \_M\_refcount;

[\_\_shared\_count<\_Lp>]

\_Sp\_counted\_base<\_Lp>\* \_M\_pi;

[\_Sp\_counted\_base<\_Lp>]

\_Atomic\_word \_M\_use\_count;

\_Atomic\_word \_M\_weak\_count;

}

->

template<Tp>

class shared\_ptr : public \_\_shared\_ptr<\_Tp> {

element\_type\* \_M\_ptr;

\_\_shared\_count\* \_M\_refcount;

[\_\_shared\_count]

atomic\_int \_M\_use\_count;

atomic\_int \_M\_weak\_count;

}

1. class Lock\_free\_weak\_ptr

template<\_Tp>

class weak\_ptr {

[\_\_shared\_ptr<\_Tp>]

element\_type\* \_M\_ptr;

\_\_weak\_count<\_Lp> \_M\_refcount;

[\_\_weak\_count<\_Lp>]

\_Sp\_counted\_base<\_Lp>\* \_M\_pi;

[\_Sp\_counted\_base<\_Lp>]

\_Atomic\_word \_M\_use\_count;

\_Atomic\_word \_M\_weak\_count;

}

->

template<Tp>

class weak\_ptr{

element\_type\* \_M\_ptr;

\_\_weak\_count\* \_M\_refcount;

[\_\_weak\_count]

atomic\_int \_M\_use\_count;

atomic\_int \_M\_weak\_count;

}

|  |  |  |  |
| --- | --- | --- | --- |
| **문제점 정리** | 0초기화 nullptr초기화  배열  nothrow\_t, nothrow  class hash | **해결 방안** |  |
| **다음 주차** | **7 주차** | **다음 기간** | **2020.02.24~2020.03.01** |
| **다음주 할 일** |  | | |
| **지도교수**  **Comment** |  | | |