0907 - 회원 도메인과 리포지토리 생성

Member - 회원 정보를 저장하는 도메인 객체

```
package hello.hello_spring.domain;

public class Member {

    private Long id;
    public String name;

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        this.id = id;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }
}
```

MemberRepository - 저장소

```
package hello.hello_spring.repository;
```

```
import hello.hello_spring.domain.Member;

import java.util.List;
import java.util.Optional;

public interface MemberRepository {
    //회원 등록
    Member save(Member member);
    //아이디로 회원 찾기
    Optional<Member> findById(Long id);
    //이름으로 회원 찾기
    Optional<Member> findByName(String name);
    //모든 회원 조회
    List<Member> findAll();

}
```

MemoryMemberRepository - 구현체

```
package hello.hello_spring.repository;

import hello.hello_spring.domain.Member;

import java.util.*;

public class MemoryMemberRepository implements MemberReposito

    private static Map<Long, Member> store = new HashMap<>();
    //시퀀스
    private static long sequence = 0L;

    @Override
    public Member save(Member member) {
        member.setId(++sequence);
        store.put(member.getId(), member);
        return member;
    }
    @Override
    public Optional<Member> findById(Long id) {
        return Optional.ofNullable(store.get(id));
    }

    @Override
    public Optional<Member> findByName(String name) {
        return store.values().stream()
                .filter(member -> member.getName().equals(name
                .findAny();
    }

    @Override
    public List<Member> findAll() {
        return new ArrayList<>(store.values());
    }

    public void clearStore(){
        store.clear();
    }

}
```