**MapStruct**

**step1:- add mapstruct depedency and plugins**

**step 2:-create entity and dto**

**step3:- create mapperInstacne(config)**

@Mapper(componentModel = "spring")

public interface UserMapper {

UserMapper INSTANCE = Mappers.getMapper(UserMapper.class);

UserDTO toDTO(User user);

User toEntity(UserDTO userDTO);

}

**step4:- use in service**

@Autowired

private UserMapper userMapper;

public UserDTO createUser(UserDTO userDTO) {

User user = userMapper.toEntity(userDTO);

User saved = userRepository.save(user);

return userMapper.toDTO(saved);

}

**ModelMapper**

**step1: add depdendency**

<dependency>

<groupId>org.modelmapper</groupId>

<artifactId>modelmapper</artifactId>

<version>3.1.1</version>

</dependency>

**step2 : create entity and dto**

**step 3:- config**

@Configuration

public class MapperConfig {

@Bean

public ModelMapper modelMapper() {

return new ModelMapper();

}

}

**step4:- in service use this**

@Autowired

private ModelMapper modelMapper;

public UserDTO createUser(UserDTO userDTO) {

User user = modelMapper.map(userDTO, User.class);

User savedUser = userRepository.save(user);

return modelMapper.map(savedUser, UserDTO.class);

}