Name:	StudentID:

## W1D5: Quiz

## CS544 Enterprise Architecture

1. Give two things that change when @Id is moved from a field to a getter method:

2. Were It finds other annotations

2. What SQL datatype do you get when you do not add @Temporal on a java.util.Date field:

3. What is the output of the following application:

}

```
@Configuration
@ComponentScan("edu.mum.cs544")
@EnableAspectJAutoProxy
public class Config {
public class App {
    public static void main(String[] args) {
        ConfigurableApplicationContext context = new
            AnnotationConfigApplicationContext(Config.class);
        System.out.println("Testing Spring Startup");
        AClass a = context.getBean(AClass.class); =
        a.getAText(); 
        a.getBText();
        context.close();
    }
}
@Component
public abstract class MySuper {
 @Value("Test")
    private String text; 👟
    public MySuper() {
        System.out.println("MySuper Constructor - text: " + text);
    public void setText(String text) {
        System.out.println("Setting text to: " + text);
        this.text = text;
    public String getText() { return text; }
@Component
public class AClass extends MySuper {
    private BClass bClass;
    @Autowired
public AClass(BClass b) {
    System.out.println("MyClass Constructor");
        setText("Hello");
        this.bClass = b;
    public void getAText() {
    System.out.println("This is a " + getText());
    public void getBText() {
        System.out.println("This is a " + bClass.getText());
```

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```
@Lazy
@Component
public class BClass {
    @Value("Other")
   private String text;
   public BClass() {
        System.out.println("BClass constructor");
   public String getText() {
       return text;
    @PreDestroy
   public void done() {
       System.out.println("BClass done!");
   }
}
@Aspect
@Component
public class AwesomeAspect {
    @Value("Test")
    private String text;
   public AwesomeAspect() {
        System.out.println("AwesomeAspect Constructor - text: " + text);
    @PostConstruct
   public void start() {
        System.out.println("AwesomeAspect start method - text: " + text);
    @Around("execution(* edu.mum.cs544.*.get*(..))")
   public Object beforeTrace(ProceedingJoinPoint pjp) throws Throwable {
        String name = pjp.getTarget().getClass().getSimpleName();
        if (name.equals("BClass")) {
            return "Something";
        return pjp.proceed();
   }
```

Awasona Aspect Constructor i text: null Awasona Aspect Stort method - text: Test BClass Constructor
My Super Constructor text: null My Class Constructor
Setting text to Hello
Testing Spring Startup
This is a Test
This is a something
BClass done!