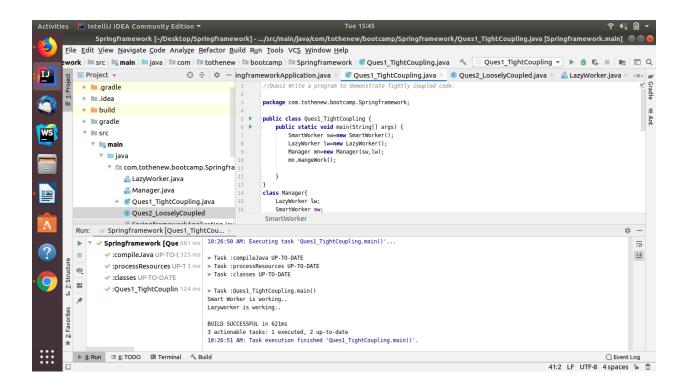
package com.tothenew.bootcamp.Springframework;

```
public class Ques1_TightCoupling {
 public static void main(String[] args) {
    SmartWorker sw=new SmartWorker();
    LazyWorker lw=new LazyWorker();
    Manager mn=new Manager(sw,lw);
    mn.mangeWork();
 }
class Manager{
 LazyWorker lw;
 SmartWorker sw;
 Manager(SmartWorker sw,LazyWorker lw)
   this.sw=sw;
   this.lw=lw;
 public void mangeWork()
    sw.Work();
   lw.Work();
 }
}
class LazyWorker{
 public void Work(){
    System.out.println("Lazyworker is working..");
 }
}
class SmartWorker{
 public void Work(){
   System.out.println("Smart Worker is working..");
 }
}
```

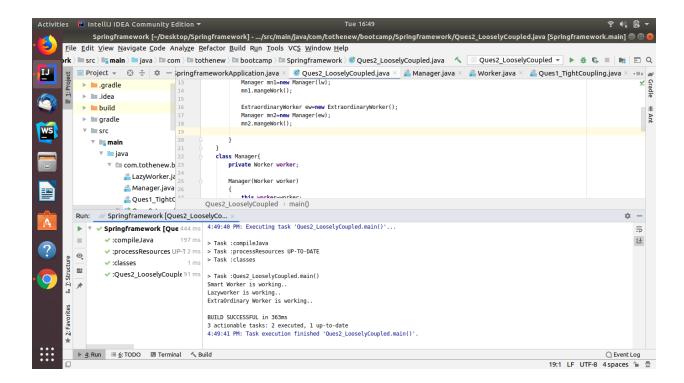


.....

```
package com.tothenew.bootcamp.Springframework;
public class Ques2_LooselyCoupled {
    public static void main(String[]args){
      SmartWorker sw = new SmartWorker();
      Manager mn = new Manager(sw);
      mn.mangeWork();
      LazyWorker lw=new LazyWorker();
      Manager mn1=new Manager(lw);
      mn1.mangeWork();
      ExtraordinaryWorker ew=new ExtraordinaryWorker();
      Manager mn2=new Manager(ew);
      mn2.mangeWork();
   }
 class Manager{
    private Worker worker;
    Manager(Worker worker)
      this.worker=worker;
   }
    public void mangeWork()
      worker.Work();
   }
 interface Worker{
 void Work();
 class LazyWorker implements Worker{
    @Override
    public void Work(){
      System.out.println("Lazyworker is working..");
   }
 }
 class SmartWorker implements Worker {
    @Override
```

```
public void Work() {
    System.out.println("Smart Worker is working..");
}

class ExtraordinaryWorker implements Worker {
    @Override
    public void Work() {
        System.out.println("ExtraOrdinary Worker is working..");
    }
}
```



## File=Manager.java

```
package com.tothenew.bootcamp.Springframework.Ques3;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Component;
@Component
class Manager{
 @Autowired
 private Worker worker;
 Manager(Worker worker)
   this.worker=worker;
 public void mangeWork()
   worker.Work();
}
File=LazyWorker.java
package com.tothenew.bootcamp.Springframework.Ques3;
import org.springframework.stereotype.Component;
@Component
public class LazyWorker implements Worker{
 @Override
 public void Work(){
    System.out.println();
    System.out.println("Lazy Worker is working..");
 }
}
File=Worker.java
package com.tothenew.bootcamp.Springframework.Ques3;
interface Worker {
 public void Work();
```

## File=SpringframeworkApplication

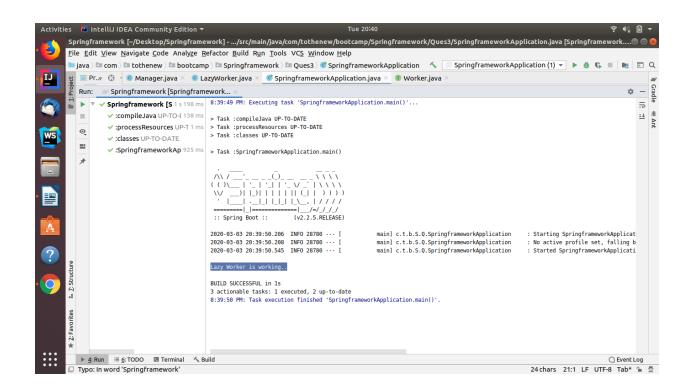
```
package com.tothenew.bootcamp.Springframework.Ques3;
//package com.tothenew.bootcamp.Springframework;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.context.ApplicationContext;

@SpringBootApplication
public class SpringframeworkApplication {

    public static void main(String[] args) {

        ApplicationContext applicationContext=SpringApplication.run(SpringframeworkApplication.class, args);
        Manager manager=applicationContext.getBean(Manager.class);
        manager.mangeWork();

}
```



# File=Manager.java package com.tothenew.bootcamp.Springframework.Ques3; import org.springframework.beans.factory.annotation.Autowired; import org.springframework.stereotype.Component; @Component class Manager{ @Autowired private Worker worker; Manager(Worker worker) this.worker=worker; public void mangeWork() worker.Work(); } File=SmartWorker.java package com.tothenew.bootcamp.Springframework.Ques3; import org.springframework.stereotype.Component; @Component public class SmartWorker implements Worker{ @Override public void Work(){ System.out.println(); System.out.println("Smart Worker is working.."); } } File=Worker.java package com.tothenew.bootcamp.Springframework.Ques3; interface Worker {

public void Work();

## File=SpringframeworkApplication

#### package com.tothenew.bootcamp.Springframework.Ques3;

//package com.tothenew.bootcamp.Springframework;

import org.springframework.boot.SpringApplication; import org.springframework.boot.autoconfigure.SpringBootApplication; import org.springframework.context.ApplicationContext;

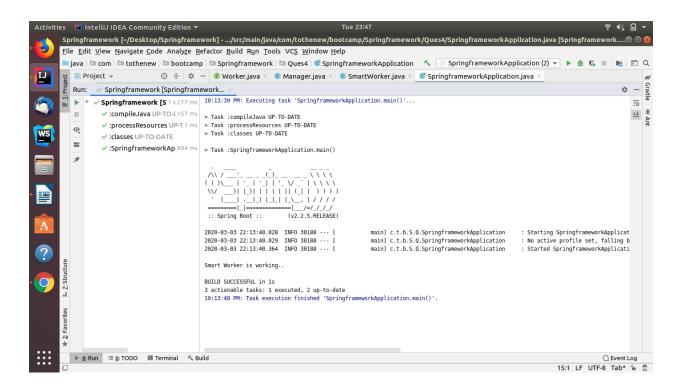
#### @SpringBootApplication

public class SpringframeworkApplication {

public static void main(String[] args) {

ApplicationContext applicationContext=SpringApplication.run(SpringframeworkApplication.class, args); Manager manager=applicationContext.getBean(Manager.class); manager.mangeWork();

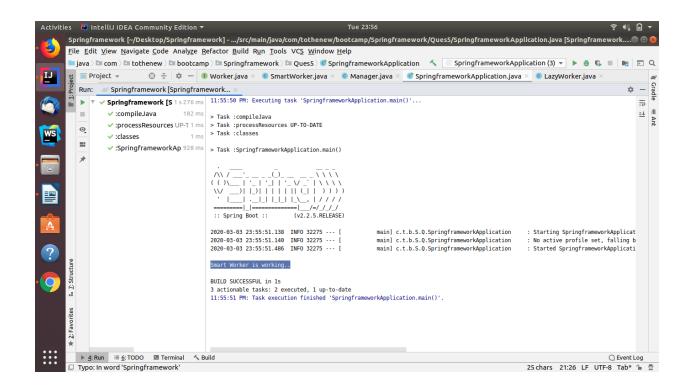
} }



# File=Manager.java package com.tothenew.bootcamp.Springframework.Ques5; import org.springframework.beans.factory.annotation.Autowired; import org.springframework.stereotype.Component; @Component class Manager{ @Autowired private Worker worker; Manager(Worker worker) this.worker=worker; public void mangeWork() worker.Work(); } File=SmartWorker.java package com.tothenew.bootcamp.Springframework.Ques5; import org.springframework.context.annotation.Primary; import org.springframework.stereotype.Component; @Component @Primary public class SmartWorker implements Worker { @Override public void Work(){ System.out.println(); System.out.println("Smart Worker is working.."); } } File=LazyWorker.java package com.tothenew.bootcamp.Springframework.Ques5;

import org.springframework.stereotype.Component;

```
@Component
public class LazyWorker implements Worker {
 @Override
 public void Work() {
    System.out.println("LazyWorker is working..");
}
File=Worker.java
package com.tothenew.bootcamp.Springframework.Ques5;
public interface Worker {
    void Work();
}
File=SpringframeworkApplication
package com.tothenew.bootcamp.Springframework.Ques5;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.context.ApplicationContext;
@SpringBootApplication
public class SpringframeworkApplication {
 public static void main(String[] args) {
  ApplicationContext applicationContext=SpringApplication.run(SpringframeworkApplication.class, args);
  Manager manager=applicationContext.getBean(Manager.class);
  manager.mangeWork();
 }
```



# //(6) Perform Constructor Injection in a Spring Bean File=Injector.java package com.tothenew.bootcamp.Springframework.Ques6; import org.springframework.beans.factory.annotation.Autowired; public class Injector { @Autowired public Something something; // Method 1 using Constructor @Autowired Injector(Something something) this.something=something; // Using Setters @Autowired void setSomething(Something something) this.something=something; public void showmsg() something.show(); File=Something.java package com.tothenew.bootcamp.Springframework.Ques6; public class Something { void show()

package com.tothenew.bootcamp.Springframework.Ques6;

System.out.println("This is something");

}

```
File=Framework.java
```

```
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.context.ApplicationContext;
@SpringBootApplication
public class Framework
 public static void main(String[] args)
    ApplicationContext applicationContext= SpringApplication.run(Framework.class,args);
    Injector injector = applicationContext.getBean(Injector.class);
    injector.showmsg();
 }
}
File=Configure.java
package com.tothenew.bootcamp.Springframework.Ques6;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.context.annotation.Bean;
import org.springframework.context.annotation.Configuration;
@Configuration
public class Configure {
 @Autowired
 Something something;
  @Bean
 Injector injector () {
    return new Injector(something);
 }
 @Bean
 Something something () {
    return new Something();
 }
}
```

