10.1. write a spring API using Application context to load a bean by name Hello with property message and load the property using spring bean xml

Code:- config.xml

```
<?xml version="1.0" encoding="UTF-8"?>
cheans
xmlns="http://www.springframework.org/schema/beans"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:context="http://www.springframework.org/schema/
beans"
xsi:schemaLocation="http://www.springframework.org/sc
hema/beans
https://www.springframework.org/schema/beans/spring-
beans, xsd
http://www.springframework.org/schema/context
https://www.springframework.org/schema/context/spring
-context.xsd">
 <bean class="com.SpringCore.SpringCore.hello"</pre>
name="H1">
  <constructor-arg>
  <value>
  hello constructor Dependency called for setting
message
  </value>
  </constructor-arg>
  <!--<pre>roperty name="message">
  <value>
  hello dear, Successfully returning bean property
  </value>
  </property>-->
  </bean>
  </beans>
```

```
Code:-App.java

package com.SpringCore.SpringCore;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class App

{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
        ApplicationContext ac=new ClassPathXmlApplicationContext("config.xml");
        hello h1=(hello)ac.getBean("H1");
        System.out.println(h1);
        //h1.display();
    }
}
```

```
Code:-Hello.java
package com.SpringCore.SpringCore;
public class hello {
    private String message;
    public String getMessage() {
         return message;
     public void setMessage(String message) {
         System.out.println("setter dependecy");
         this.message = message;
    }
    public hello() {
         super();
         // TODO Auto-generated constructor stub
    }
    public hello(String message) {
         super();
         System.out.println("constructor called");
         this.message = message;
    }
    @Override
    public String toString() {
         return "hello [message=" + message + "]";
    public void display()
    {
         System.out.println("Hello Bean Called");
     }
}
```

## Code:pom.xml

```
cproject xmlns="http://maven.apache.org/POM/4.0.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0"
http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.SpringCore
  <artifactId>SpringCore</artifactId>
  <version>0.0.1-SNAPSHOT
  <packaging>jar</packaging>
  <name>SpringCore</name>
  <url>http://maven.apache.org</url>
  cproperties>
    project.build.sourceEncoding>UTF-
8</project.build.sourceEncoding>
  </properties>
  <dependencies>
<dependency>
    <groupId>org.springframework
   <artifactId>spring-core</artifactId>
   <version>5.2.3.RELEASE
</dependency>
<dependency>
   <groupId>org.springframework
    <artifactId>spring-context</artifactId>
    <version>5.2.3.RELEASE
</dependency>
   <dependency>
     <groupId>junit
     <artifactId>junit</artifactId>
     <version>3.8.1
     <scope>test</scope>
    </dependency>
  </dependencies>
</project>
```

```
Search Project Run Window Help

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constructor called hello [message= hello constructor Dependency called for setting message]

]
```