1 - Open http://seleniumpractise.blogspot.com/2016/08/how-to-use-explicit-wait-in-selenium.html

Click on timer

Wait for text "WebDriver"

Use 2 conditions of ExpectedCondition

Answer :

```
package Assignment11;

import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class task1 {

	public static void main(String[] args)

	{
		WebDriver driver=new ChromeDriver();

		driver.get("http://seleniumpractise.blogspot.com/2016/08/how-to-use-explicit-wait-in-selenium.html");

		driver.findElement(By.xpath("//button[contains(text(),'Click me to start timer')]")).click();

		WebDriverWait wait=new WebDriverWait(driver,Duration.ofSeconds(50));

		WebElement text=wait.until(ExpectedConditions.elementToBeClickable(By.xpath("//p[text()='WebDriver']")));

			String text1=text.getText();

			System.out.println(text1);

			driver.quit();
	}

}
```

2- Create a method in Utility class named as "captureScreenshotOfWebElement"

will capture the screenshot of element

will store element screenshot in element screenshot folder

all screenshot should have date time stamp

Answer :

```
package Jan07class;

import java.io.File;
import java.io.IOException;

import javax.imageio.ImageIO;

import org.openqa.selenium.By;
import org.openqa.selenium.OutputType;
import org.openqa.selenium.TakesScreenshot;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.io.FileHandler;

import ru.yandex.qatools.ashot.AShot;
import ru.yandex.qatools.ashot.Screenshot;
import ru.yandex.qatools.ashot.coordinates.WebDriverCoordsProvider;
import ru.yandex.qatools.ashot.shooting.ShootingStrategies;

public class Webelementscreenshot {

	public static void main(String[] args) throws InterruptedException, IOException
```

```
        {
WebDriver driver=new ChromeDriver();



driver.get("https://www.google.com/");
Thread.sleep(10);
WebElement element = driver.findElement(By.xpath("//input[@name='btnK']"));
Screenshot screenshotHeader = new AShot().coordsProvider(new
WebDriverCoordsProvider()).shootingStrategy(ShootingStrategies.viewportPasting(100)).takeScreenshot
(driver, element);
 try {
    ImageIO.write(screenshotHeader.getImage(),"jpg" ,new File("./Google.jpg"));
 } catch (IOException e) {
    e.printStackTrace();
 }
        }



        }
```

3- Explore AShot Lib to more screenshot features (not a selenium library)

https://github.com/pazone/ashot

4- Create a method in Utility class named as "waitForElement" (dont use any waits)

method should except locator and timeout in seconds

will wait until element is not enabled

add sleep of 1 second

handle all exception while retrying