11.TestScripts: Develop and test a program to provide total number of objects present available on the page using selenium test scripts

1. Create Eclipse Java Project
   a. In Eclipse: Click File → New -> Other → Select **Java Project**
   b. Set Project name **TestScripts.** and select **Use an execution environment** as java1.8,Click finish
   c. **Right-click your project → Build Path → Configure Build Path**
   d. Go to the **Libraries** tab → Click **Add External JARs**
   e. Now Add selenium-server
   f. Click Apply and Save
2. Right Click on src on the project, → New → Class
   a. Set class name **PageObjectCounter** and click finish
   b. Add Program

```java
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import java.util.List;
public class PageObjectCounter {
  public static void main(String[] args) {
    WebDriver driver = new ChromeDriver();
    driver.manage().window().maximize();
    try {
      driver.get("https://www.wikipedia.org");
      List<WebElement> allElements = driver.findElements(By.xpath("//*"));
      int totalObjects = allElements.size();
      System.out.println("Total number of elements on the page: " + totalObjects);
    } catch (Exception e) {
      System.out.println(" Error: " + e.getMessage());
    } finally {
      driver.quit();
    }
  }
}
```

Output:- Opened wikipedia and closed

Output (Console)
🔍 Total number of elements on the page: 1046