package HOMEWORK\_Week1;  
  
import java.util.ArrayList;  
  
public class Part\_1 {  
  
 public static void main(String[] args) {  
 ArrayList <String> countries = new ArrayList<>();  
 ArrayList<String> countryCode = new ArrayList<>();  
  
 countries. add("USA");  
 countries. add("India");  
 countries. add("Pakistan");  
 countries. add("Bangladesh");  
  
 countryCode. add("+1");  
 countryCode. add("+91");  
 countryCode. add("+92");  
 countryCode. add("+880");  
  
 for (int i = 0; i < countries.size(); i++)  
 System.*out*.println("My country is " + countries.get(i) + ", and my country code is " + countryCode.get(i));  
  
 }  
  
  
}

package HOMEWORK\_Week1;  
  
public class Part\_2 {  
  
 public static void main(String[] args) {  
  
 String[] region = new String[]{"USA, Pakistan, India, Bangladesh"};  
 int[] regionalCode = new int[]{1, 92, 91, 880};  
 int i = 0;  
  
 while (i < region.length) {  
 System.*out*.println("My regions are " + region[i] + " and my area codes are " + regionalCode[0] + ", " + regionalCode[1] + ", " + regionalCode[2]+ ", " + regionalCode[3] );  
  
 i = i+1;  
 }  
  
 }  
  
 }

package HOMEWORK\_Week2;  
  
public class Assignment\_1\_Week2 {  
  
 public static void main(String[] args) {  
  
 // set initial grade value to 90  
 int grade = 90;  
  
// Check if grade is between 90 and 100  
 if (grade >= 90 && grade <= 100){  
 System.*out*.println("Grade is A");  
 // Check if grade is between 80 and under 90  
 } else if (grade >= 80 && grade < 90) {  
 System.*out*.println("Grade is B");  
 // Check if grade is between 70 and under 80  
 } else if (grade >= 70 && grade <80) {  
 System.*out*.println("Grade is C");  
 // Check if grade is between 60 and less than 70  
 } else if (grade >= 60 && grade < 70) {  
 System.*out*.println("Grade is D");  
 // Check if grade is below 60  
 } else {  
 System.*out*.println("Grade is F");  
 // Print out the final value of the grade variable  
  
 }  
  
 }  
 }

package HOMEWORK\_Week2;  
  
import io.github.bonigarcia.wdm.WebDriverManager;  
import org.openqa.selenium.By;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.chrome.ChromeDriver;  
  
import java.util.ArrayList;  
  
public class TEST {  
  
 public static void main(String[] args) throws InterruptedException {  
  
 // part of the WebDriverManager library  
 WebDriverManager.*chromedriver*().setup();  
  
 // define the chrome driver that you will use for automation test  
 WebDriver driver = new ChromeDriver();  
  
 //set up the ArrayList of sports  
 ArrayList<String>sports = new ArrayList<>();  
 sports.add("Football");  
 sports.add("Baseball");  
 sports.add("Basketball");  
 sports.add("Soccer");  
  
 //iterate through the list of sports and print search number for each sport  
 for (int i=0; i<sports.size(); i++){  
  
 // navigate to bing home page  
 driver.navigate().to("https://www.bing.com");  
  
 // wait for 2 seconds  
 Thread.*sleep*(2000);  
  
 // enter keyword football to search field  
 driver.findElement(By.*xpath*("//\*[@name='q']")).sendKeys(sports.get(i));  
  
 // click on bing search icon  
 driver.findElement(By.*xpath*("//\*[@id='search\_icon']")).submit();  
 // wait 2 seconds for new page  
 Thread.*sleep*(2000);  
  
 //capture search results  
 String result = driver.findElement(By.*xpath*("//\*[@id='b\_tween']")).getText();  
// print only number  
 String [] arrayResult = result.split(" ");  
 System.*out*.println("For " + sports.get(i) + ", the search number is " + arrayResult [1]);  
 } // end of loop

import io.github.bonigarcia.wdm.WebDriverManager;  
import org.openqa.selenium.By;  
import org.openqa.selenium.JavascriptExecutor;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.chrome.ChromeDriver;  
import org.openqa.selenium.chrome.ChromeOptions;  
  
import java.util.ArrayList;  
  
public class AI\_03 {  
 public static void main(String[] args) throws InterruptedException {  
  
 //create an Array List to store 3 different real zipCode  
 ArrayList<String> zipCode = new ArrayList<>();  
 zipCode.add("10503");  
 zipCode.add("10803");  
 zipCode.add("11557");  
  
 //iteration thru the following step x times  
 for (int i = 0; i < zipCode.size(); i++) {  
  
 WebDriverManager.*chromedriver*().setup();  
  
 //set your chrome options arguments for your web driver  
 ChromeOptions options = new ChromeOptions();  
  
 //add --kiosk for mac maximize  
 options.addArguments("--kiosk");  
  
 //add incognito mode to option  
 options.addArguments("incognito");  
 WebDriver driver = new ChromeDriver();  
  
  
 // navigate to weightwatchers.com  
 driver.navigate().to("http://www.weightwatchers.com");  
  
 // wait for 2 seconds  
 Thread.*sleep*(2000);  
  
 //click on find a workshop link using contains  
 driver.findElement(By.*xpath*("//\*[text()='Find a Workshop']")).click();  
  
 //click on In person link  
 driver.findElement(By.*xpath*("//\*[text()='In-Person']")).click();  
  
 //wait for 2 seconds  
 Thread.*sleep*(2000);  
  
 //clear the field  
 driver.findElement(By.*xpath*("//\*[@class='input input-3TfT5']")).clear();  
  
 //enter zipcodes  
 driver.findElement(By.*xpath*("//\*[@class='input input-3TfT5']")).sendKeys(zipCode.get(i));  
  
 // click on search arrow  
 driver.findElement(By.*xpath*("//\*[@id='location-search-cta']")).click();  
  
 //wait 2 seconds  
 Thread.*sleep*(2000);  
  
 //Click on a specific studio link based on the value of i  
 ArrayList<WebElement> studioLink = new ArrayList<>(driver.findElements(By.*xpath*("//a[@class='linkUnderline-1\_h4g']")));  
 driver.findElements(By.*xpath*("//\*[@class='linkUnderline-1\_h4g']"));  
  
 if (i == 0) {  
 studioLink.get(1).click();  
 } else if (i==1) {  
 studioLink.get(2).click();  
 } else if (i==2) {  
 studioLink.get(0).click();  
  
 }  
 // wait 2 seconds  
 Thread.*sleep*(2000);  
  
 //capture studio addresses  
 ArrayList<WebElement> studioAddress = new ArrayList<>(driver.findElements((By.*xpath*("//\*[@class='address-2PZwW']"))));  
 String address = studioAddress.get(0).getText();  
  
 // print out address for studios  
 System.*out*.println("Studio Address for zip code " + zipCode.get(i) + ": " + address);  
  
 // scroll down to the schedule table  
 JavascriptExecutor jse = (JavascriptExecutor) driver;  
 jse.executeScript("scroll(0,1000)");  
  
 //capture entire table  
 ArrayList<WebElement> scheduleTable = new ArrayList<>(driver.findElements((By.*xpath*("//\*[@id='studioWorkshopSchedule']"))));  
 String schedule = scheduleTable.get(0).getText();  
  
 //print out workshop schedule  
 System.*out*.println("Workshop Schedule for zip code " + zipCode.get(i) + ": " + schedule);  
  
 // quit the driver  
 driver.quit();  
  
 }  
  
  
 }  
  
 }