

Introduction to Java Programming-Task 4

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In this task, there were main class (ReadtheCities) and other 10 classes (Circle, City, DrawingContent, InputStringReader, Label, Point, Rectangle, Shape, SimpleFrame, SimplePanel) which fulfills the section of java-programming final task of the project. I have used the shape classes from the previous task to express the demographic data in the panel and eliminated polyline and polygon classes that are not used. In this task, circles were used for representing area of the each city and the population density. Rectangles were used for representing the population of the city, the GDP and the population of foreign nationals. The circles were used to create a buffer, colour saturation that represents the each of the 10 cities Area and Population. The buffer enlarge denotes areas and the colour denotes population density of the cities. The rectangles created with two bar charts used to represent three demographic data. In the graphical panel, one of the rectangles display the GDP per capita and another rectangle represents the total population and the foreign inhabitants in percentage. The saturation had been used to differentiate the ranges of the above three data. The point of the each location were named using the labels.