**Lab2**

1. Create a new class that defines a random number with a value between 0-100.
   * if the number is greater than 50 – print “Big!”
   * if the number is less than 50 – print “Small!”
   * if the number equals to 50 – print “Bingo!”
2. Create a new class that defines a random number with a value between 0-100.
   * if the value is between 0-50 – print “Small!”
   * else – print “Big!”
   * in addition:
     + if the value is even (can be divided by 2) – print “Even”
     + else – print “Odd”
3. Create a new class named “SalaryRaiser”
   * define a random number named ‘salary’ with a value between 5000-6000.
   * print the current salary
   * Now, raise the salary:
     + By 10% - only if the result is not greater than 6000   
       (which is the maximum salary allowed)
     + By 5% - Otherwise.
   * print the updated salary
4. Create a class that defines 3 random numbers and prints the bigger value
5. Create a class that defines 3 random numbers and prints the smaller value
6. Create a class named “TaxCalculator”
   * Salary taxes are calculated according to the following:
     + 0- 23,000 nis 🡪 tax rate is 10%
     + 23,000- 50,000 nis 🡪 tax rate is 20%
     + 50,000- 100,000 nis 🡪 tax rate is 30%
     + 100,000 - up nis 🡪 tax rate is 40%
   * that takes a random salary of an employee   
     (randomize a value to be used as an input)
   * Print the salary before tax
   * Print the tax calculation
   * Print the salary after tax
7. Bonus! - Implement the Tax Calculator Exercise this time with Differential Tax!
8. Create a class that randomizes a value to present a year (like 970, 1990, 2010 …) and prints the year and if it is leap year or not.

Leap year definition:

* + divide by 4 AND not divide by 100
  + divide by 400