Java W16 Class 2 HW
Write a Java Program to solve each one of the problem. Please name your project as **Q#.Java**.
Save all your project into one folder called **firstname_lastname_C2_HW** and compress he
folder. Submit it to @homeworkbot on Slack with a comment "#java-class1"

1. **Area of a Circle**
   Find the area of a circle with a radius of 15 cm. Display the answer in sentence form.
2. **Wayne Gretzky**
   Create a program that stores the string "Wayne Gretzky" in a string memory location and stores 99
   in a numeric memory location. The program should display: Wayne Gretzky is number 99 from the
   memory locations.
3. **Area of a Rectangle**
   Find the area of a 5.7 by 4.8 rectangle. Have your program display the width, length, and area all
   on separate lines.
4. **Net Pay**
   Find the net pay (n) for an employee who works 40 hours (h) at 5.00 per hour (w) and has 2.00 (i)
   deducted for insurance and must pay 22% for tax (t). Display your answer in sentence form and use
   the following formula: n=(h*w-i)-t*(h*w-i).
5. **Carpet**
   Find the cost to carpet a room 8.5 m by 6 m if the carpet has a price of 19.95 per square meter.
   Display the answer in sentence form and use memory location variables that are appropriate for the
   items you are storing in memory.
6. **Bill of sale**
   Write a Java program to calculate and print a bill of sale based on the following:
   - A shirt was purchased for $12.49 and was paid with a $20 bill.
   - Assign variables for the purchase price and amount given to the clerk.
   - Calculate taxes, (HST = 13%), total bill, and change.
   - Output the entire bill showing purchased price, taxes, total, and change.