Week 2- Exercise (No submission is required)

1. Create a class with a name of “Week2”
2. Initialize the following and print.

Variable name	Type	Assign with
num1	int	88
letter1	char	W
name	string	Saw
c	char	1574

3. Initialize a constant variable, in the next line, try to assign a new number to the constant variable, observe what happen.
4. Initialize integer *x=20, y=7.* Perform the following operation and observe what happen to the output.
    a. int x=20, y=7;
       System.out.println(x/(y*1.0));x/(double) y
    b. int x=20, y=7;
       System.out.println(x/(y*1.0));
       System.out.println(x/ (double) y);
    c. int x=20, y=7;
       System.out.println(x/(y*1.0));
       System.out.println(x/ (double) y);
       System.out.println((double) x/y);
    d. int x=20, y=7;
       System.out.println(x/(y*1.0));
       System.out.println(x/ (double) y);
       System.out.println((double) x/y);
       System.out.println(x++);
    e. int x=20, y=7;
       System.out.println(x/(y*1.0));
       System.out.println(x/ (double) y);
       System.out.println((double) x/y);
       System.out.println(x++);
       System.out.println(x);
    f. int x=20, y=7;
       System.out.println(x/(y*1.0));
       System.out.println(x/ (double) y);
       System.out.println((double) x/y);
       System.out.println(x++);
       System.out.println(x);
       System.out.println(x + " + " + y + " = " + (x+y));
5. Write a program to get user input for two integer numbers. Then print out the multiplication of the two numbers.
6. Write a program to prompt user to enter age in the first question and enter name in the second question. Declare the appropriate variable type and use the appropriate console input (refer to slide 15). Print out statement such as “Welcome *Aisha* Age – *18*”. (PS: *italic words are the word input by user, it can be different based on user input).*
7. Try with System.out.println, System.out.print – observe where is the output cursor location.
8. Try with System.out.printf. Observe what happen with the following code. Try with different values and different format – observe what happens.
    a. System.out.printf("answer is %.3f\t%4d\n", (x*1.0/y), y);

Week 2- Exercise (No submission is required)

    b. System.out.printf("Name %s Weight %.2f\n", "Ang Tan Fong", 45.23);
9. Create an object to generate random number (follow slide 21)
10. Generate a random number generator that give a random number range from
    a. 10 to 100
    b. -20 to 20