* TA email: jdg513@nyu.edu
* a = b + c 🡪 compiler 🡪 machine code
* Java code 🡪 (goes through compiler) 🡪 bytecode 🡪 (goes through interpreter, “Java Virtual Machine”) 🡪 machine code
* Source code: .java
* Compiled byte code: .class
* “javac Welcome.java” 🡪 compiles java source code
* “java Welcome” 🡪 shows line in command line
* cd = change directory
* pwd = present working directory
* ls = list (options of directories)
* open . = opens up
* Assignment #0: line width should not exceed 80
* Definition of “set”: A set is a collection of distinct objects
* e.g. Natural numbers, rational numbers
* Definition of “function”: A function is a rule assigning each element x in a set D to another element f(x) in a set E
* D is the domain of the function 🡪 { f(x) such that x belongs to set D } = range of the function
* Piecewise defined function (absolute functions)
* Even function 🡪 f(x) = f(-x) for all x
* Odd function 🡪 f(x) = - f(-x) for all x
* Monotone function 🡪 function that keeps increasing or decreasing
* Ex: f is increasing on interval I, if for all x1 < x2, both in I