1. What are the four main types of variables used in Java and what are they used to store?

Int: integer

Double: decimal

Char: Letter

Boolean: True or False

1. What type of variable would you use to store your name?

String

1. What type of variable would you use to store the square root of 2?

Double

1. What type of variable would you use to store your age?

Integer

1. Write a single line of code that will create a double variable called p and store 1.921 X 10-16 in it.

Double p = 1.921 x 10^-16

1. Write a single line of code that will create an integer variable called i and store 407 in it.

Int I = 407

1. Write a single line of code that will create a String variable called my\_name and store your name in it.

String my\_name = Rajat

1. Write a line of code that will declare the variable count to be of type int. Don’t initialize.

int count;

1. Write a line of code that initializes the double variable bankBalance to 136.05. Assume this variable has already been declared.

Double bankBalance = 136.05

10. Which of the following are legal variable names?

scooter13

139\_scooter

mary

public

doubled

double

ab c

11. Which of the following is the most acceptable way of naming a variable. Multiple answers are possible.

a. GroovyDude

b. GROOVYDUDE

c. groovyDude

d. Groovydude

e. groovy\_dude

f. groovydude

12. Comment on the legality of the following two lines of code.

double dist = 1003; This is an int so its illegal

int alt = 1493.86; This is a Double so its illegal