Exercise on Lesson 2  
1. What are the three main types of variables used in Java and what are they used to store?

The three type are integer, string, double or floating point number

Integer: store a positive or negative number

String: store things in quotes like “Hello, how are you today!”

Double: store decimals numbers like 4.7787

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

I would use a string

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

I would a integer

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

also integer

5. Write a single line of code that will create a double precision variable called p and store1.921 X 10-16 in it.

double p = 1.921 X 10-16

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

int i = 407;

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

string my\_name = “Omar”;

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

int count;

9. Write a line of code that initializes the double precision 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  
39\_scooter  
homer-5   
;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; // it’s illegal legal the data store in is not a floating point number  
int alt = 1493.86; // it’s illegal the data stored is a floating point number  
int num = 1\_2\_3; // it’s legal