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

 bool (true/false), String (text), int/float/double (numbers)

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?

 int

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

 double p = 0.0000000000000001921;

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 = “Samuel”;

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 precision variable *bankBalance*to 136.05. Assume this variable has already been declared.

 bankBalance = 136.05;

1. Which of the following are legal variable names?

scooter13   139\_scooter   homer-5  ;mary  public  doubled  double ab  c

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

1. GroovyDude
2. GROOVYDUDE
3. groovyDude
4. Groovydude
5. groovy\_dude
6. groovydude

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

 //the following line of code will compile

double dist = 1003;