1. double temp, weight, age;
2. int months = 2, years = 3, days;
   1. b = a+2;
   2. a = b \* 4;
   3. b = a / 3.14;
   4. a = b-8;
   5. c = ‘K’;
   6. c= 66;
   7. 12
   8. 4
   9. 2
   10. 6
   11. 1
   12. 3.287E+6
   13. -9.7865E+12
   14. 7.65491E-3
3. public class

{

public static void main(String[] args)

{

System.out.print(“Hearing in the distance\n\n”);

System.out.print(“Two mandolins like creatures in the\n\n”);

System.out.print(“dark\n\n”);

System.out.print(“Creating the agony of ecstasy. \n\n”);

System.out.println(“ - George Barker\n\n”);

}

}

1. int speed = 20, time = 10, distance;

distance = speed \* time;

System.out.println(distance);

1. double force = 172.5, area = 27.5, pressure;

pressure = area / force;

System.out.println(pressure);

1. scanner keyboard = new Scanner(System.in);

double income;

System.out.println(“Enter desired annual income”);

income = keyboard.nextDouble();

1. double income;

income = JOptionPane.showInputDialog(“Enter desired annual income”);

1. total = (float)number

Short answer

1. multi line
2. single line
3. an understanding of what the program does just by reading it
4. Case sensitive means that the input needs to be specific in terms of capitalization. If you don’t capitalize a keyword that could be a problem.
5. Working together, they will all output text. The out object tells the program that it is an output.
6. so that the Java compiler doesn’t mistake it for something else and gives it a memory location
7. because they are small and hard to point out in a program
8. you have to consider whether it will be converted at all or whether it will need to have a decimal in it.
9. the variable initialization gives the variable a memory location and the variable assignment assigns a value to that location.
10. // comments are only one line comments, and comments that start with /\* are documented comments
11. Programming style refers to the way you program in your own way. It should be consistent so that you don’t do things out of the ordinary and mess up a different part of the program.
12. it saves time and you don’t get PI mixed up with other numbers if it’s a variable.
13. javadoc SalesAverage.java
14. short variable