1. **Download & Install JDK**
2. **Set up the path and classpath.**
3. **Use javac to compile HelloWorldApp.java and use java to execute the program.**
4. **Download & install Eclipse. (Netbeans, IntellJ)**
5. **Create a new project and write an application to print 'Hello World' on the screen.**
6. **Use Javadoc and Jar in Eclipse.**
7. **Create a class containing an int and a char that are not initialized, and print their values to verify that Java performs default initialization.**
8. **Create a class containing a float and use it to demonstrate aliasing.**
9. **Create a class called Dog containing two Strings: name and says. In main( ), create two dog objects with names "spot" (who says, "Ruff!") and "scruffy" (who says, "Wurf!"). Then display their names and what they say.**
10. **Following preceding exercise, create a new Dog reference and assign it to spot's object. Test for comparison using == and equals( ) for all references.**
11. **Write a program that simulates coin-flipping. (Hint: use Random class.)**
12. **Show that hex and octal notations work with long values. Use Long.toBinaryString( ) to display the results.**
13. **Display the largest and smallest numbers for both float and double exponential notation.**