**1.)**

**import** javax.swing.\*;

**public** **class** Exercise1

{

/\*\*

\* **@param** args

\*/

**public** **static** **void** main(String[] args)

{

// **TODO** Auto-generated method stub

JFrame frame;

frame = **new** JFrame();

frame.setVisible(**true**);

}

}

2.)

**import** javax.swing.\*;

**public** **class** Exercise 2

{

/\*\*

\* **@param** args

\*/

**public** **static** **void** main(String[] args)

{

JFrame myFrame;

myFrame = **new** JFrame();

myFrame.setSize(300,200);

myFrame.setVisible(**true**);

}

}

3.)

**import** javax.swing.\*;

**public** **class** Exercise 3

{

/\*\*

\* **@param** args

\*/

**public** **static** **void** main(String[] args)

{

String input;

input = JOptionPane.*showInputDialog*(**null**,"input:");

System.*out*.print("Input has "+input.length() +" characters");

}

}

4.)

Comments help to explain what the program does, so that other programmers or even yourself coming back later, can quickly make sense of the parts of a program or what it is trying to do. Comments can be either in comment markers, single-line comment marker, javadoc comment, or header comments.

5.)

Import statements pull class data that has already been defined by another programmer so that we don’t have to define all of our own classes. Java programs don’t always need an import statement, it depends on what they are trying to do.

6.)

syntax for one class is: import javax.swing.JFrame;

syntax for all packages: import javax.swing.\*;

7.)

The class that must be in every Java application is the public class, or what the name of the program is. This contains the program and the “main” method for the program.

8.)

A reserved word is a word that is used for a specific purpose and can’t be used for any other purpose. Ones listed in the chapter are “true” and “false”.

9.)

1. R2D2 –Valid
2. Whatchamacallit –Valid
3. HowAboutThis? –Invalid
4. Java –Valid
5. GoodChoice –Valid
6. 12345 –Invalid
7. 3CPO –Invalid
8. This is okay. –Invalid
9. thisIsReallyOkay –Valid
10. DEFAULT\_AMT –Bvaild
11. Bad-Choice –Invalid
12. A12345 –Valid

19.) Source Code attached

Screenshots



