1- Given the following code, what values inserted in order into the blank lines, allow the

code to compile?

```
_____agent;
public _____Banker {
        private _____getMaxWithdrawal() {
                return 10;
        }
}
```

- A. import, class, null
- B. import, class, void
- C. package, int, int
- D. package, class, long

2- Given that the current directory is /user/home, with an application Java file in /user/home/Manager.java that uses the default package, which are the correct commands to compile and run the application in Java?

- A. javac Manager
  java Manager
- B. javac Manager.java
  java Manager
- C. javac Manager
  java Manager.class
- D. javac Manager.java
  java Manager.class

3- Which of the following lines of code is not allowed as the first line of a Java class file?

- A. import widget.*;
- B. // Widget Manager
- D. int facilityNumber;

4- What is the result of compiling and executing the following class?

```
1: public class ParkRanger {
2:    public static void main(String[] data) {
3:        int trees = 5
4:        int birds = 10;
5:        System.out.print(trees+birds);
6:    }
7: }
```

- A. It does not compile.
- B. It compiles but throws an exception at runtime.
- C. It compiles and outputs 5.
- D. It compiles and outputs 15.

5- Which of the following is not a valid code comment in Java?

- A. // Add 5 to the result
- B. /*** TODO: Fix bug 12312 ***/
- C. # Add configuration value
- D. /* Read file from system ****/

6- What is the proper filename extension for a Java bytecode compiled file?

- A. .java
- B. .bytecode
- C. .class
- D. .dll

7- Which of the following method signatures is a valid declaration of an entry point in a Java application?

- A. public void main(String[] args)
- B. public static void main()
- C. private static void start(String[] mydata)
- D. public static final void main(String[] mydata)

8- Which package is imported into every Java class by default?

- A. java.util
- B. java.lang
- C. system.lang
- D. java.system

9- Given the following class definition, which is the only line that does not contain a compilation error?

```
1: public ThisClassDoesNotCompile {
2:      double int count;
3:      void errors() {}
4:      static void private limit; }
```

- A. Line 1
- B. Line 2
- C. Line 3
- D. Line 4

10- Which of the following is a valid code comment in Java?

- A. //////// Walk my dog
- B. #! Go team!
- C. / Process fails at runtime /
- D. None of the above

11- Which of the following declarations does not compile?

- A. double num1, int num2 = 0;
- B. int num1, num2;
- C. int num1, num2 = 0;
- D. int num1 = 0, num2 = 0;

12- What is the output of the following?

```
public static void main(String... args) {
      String chair, table = "metal";
      chair = chair + table;
      System.out.println(chair);
}
```

- A. metal
- B. metalmetal
- C. nullmetal
- D. The code does not compile.

13- Which of the following is not a valid variable name?

- A. _blue
- B. 2blue
- C. blue$
- D. Blue

14- Which of these class names best follows standard Java naming conventions?

- A. fooBar
- B. FooBar
- C. FOO_BAR
- D. F_o_o_B_a_r

15- Which is the first line to trigger a compiler error?

```
double d1 = 5f; // p1
double d2 = 5.0; // p2
float f1 = 5f; // p3
float f2 = 5.0; // p4
```

- A. p1
- B. p2
- C. p3
- D. p4

16- Which of the following lines contains a compiler error?

```
String title = "Weather"; // line x1
int hot, double cold; // line x2
System.out.println(hot + " " + title); // line x3
```

- A. x1
- B. x2
- C. x3
- D. None of the above

17- Which of the following does not compile?

- A. int num = 999;
- B. int num = 9_9_9;
- C. int num = _9_99;

- D. None of the above; they all compile.