1. Given the following class, which of the following lines of code can replace INSERT CODE HERE to make the code compile? (Choose all that apply)

```
public class Price {
        public void admission() {
                INSERT CODE HERE
                System.out.println(amount);
        }
}
A. int amount = 9L;
B. int amount = 0b101;
C. int amount = 0xE;
D. double amount = 0xE;
E. double amount = 1_2_.0_0;
F. int amount = 1_2;
G. None of the above.
Answer: B,C,D
2. Which of the following are true? (Choose all that apply)
public class Bunny {
        public static void main(String[] args) {
                Bunny bun = new Bunny();
        }
}
A. Bunny is a class.
B. bun is a class.
C. main is a class.
D. Bunny is a reference to an object.
E. bun is a reference to an object.
F. main is a reference to an object.
```

G. None of the above.
Answer:A,E
3. Which represent the order in which the following statements can be assembled into a program that will compile successfully? (Choose all that apply)
A: class Rabbit {}
B: import java.util.*;
C: package animals;
A. A, B, C
B. B, C, A
C. C, B, A
D. B, A
E. C, A
F. A, C
G. A, B
Answer: C,D,E
4. Suppose we have a class named Rabbit. Which of the following statements are true?(Choose all that apply)
1: public class Rabbit {
2: public static void main(String[] args) {
3: Rabbit one = new Rabbit();
4: Rabbit two = new Rabbit();
5: Rabbit three = one;
6: one = null;
7: Rabbit four = one;
8: three = null;
9: two = null;
10: two = new Rabbit();

```
11: System.gc();
12: } }
A. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 6.
B. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 8.
C. The Rabbit object from line 3 is first eligible for garbage collection immediately following line 12.
D. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 9.
E. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 11.
F. The Rabbit object from line 4 is first eligible for garbage collection immediately following line 12.
Answer: B,D
5. What is true about the following code? (Choose all that apply)
public class Bear {
        protected void finalize() {
                System.out.println("Roar!");
        }
        public static void main(String[] args) {
                 Bear bear = new Bear();
                 bear = null;
                System.gc();
        }
}
A. finalize() is guaranteed to be called.
B. finalize() might or might not be called
C. finalize() is guaranteed not to be called.
D. Garbage collection is guaranteed to run.
E. Garbage collection might or might not run.
F. Garbage collection is guaranteed not to run.
```

G. The code does not compile.

Answer: B,E

6. What does the following code output? 1: public class Salmon { 2: int count; 3: public void Salmon() { 4: count = 4; 5: } 6: public static void main(String[] args) { 7: Salmon s = new Salmon(); 8: System.out.println(s.count); 9: } 10:} A. 0 B. 4 C. Compilation fails on line 3. D. Compilation fails on line 4. E. Compilation fails on line 7. F. Compilation fails on line 8. Answer: A 7. Which of the following are true statements? (Choose all that apply) A. Java allows operator overloading. B. Java code compiled on Windows can run on Linux. C. Java has pointers to specific locations in memory. D. Java is a procedural language. E. Java is an object-oriented language. F. Java is a functional programming language. Answer: B,E

8. Which of the following are true? (Choose all that apply)
A. javac compiles a .class file into a .java file.
B. javac compiles a .java file into a .bytecode file.
C. javac compiles a .java file into a .class file.
D. Java takes the name of the class as a parameter.
E. Java takes the name of the .bytecode file as a parameter.
F. Java takes the name of the .class file as a parameter.
Answer: C,D
9. Which of the following are true? (Choose all that apply)
A. A local variable of type boolean defaults to null.
B. A local variable of type float defaults to 0.
C. A local variable of type Object defaults to null.
D. A local variable of type boolean defaults to false.
E. A local variable of type boolean defaults to true.
F. A local variable of type float defaults to 0.0.
G. None of the above.
Answer: G
10. Which of the following legally fill in the blank so you can run the main() method from the command line? (Choose all that apply)
public static void main()
A. String[] _names
B. String[] 123
C. String abc[]
D. String _Names[]
E. String \$n
F. String names
G. None of the above.

Answer: A,C,D,E