Quiz #3
14401

All students please note since this question may occur again

Answer should have been “B” not “D”, i.e, it produces a runtime error as the following computer program by Taylor Ramirez demonstrates.

9) Analyze the following code:

```java
int i = 3434; double d = 3434; System.out.printf("%5.1f %5.1f", i, d);
```

A) The code compiles and runs fine to display 3434 3434.0.

B) i is an integer, but the format specifier %5.1f specifies a format for double value. The code has a runtime error.

C) The code compiles and runs fine to display 3434.0 3434.0.

D) i is an integer, but the format specifier %5.1f specifies a format for double value. The code has a compile error.

```java
public class Test {
    public static void main(String[] args) {
        int i = 3434;
        double d = 3434;
        System.out.printf("%5.1f%5.1f", i, d);
    }
}
```

```
/*
---- JGRASP exec: java Test

Exception in thread "main" java.util.IllegalArgumentException
    at java.util.Formatter$FormatSpecifier.failConversion(Formatter.java:3999)
    at java.util.Formatter$FormatSpecifier.printFloat(Formatter.java:2722)
    at java.util.Formatter$FormatSpecifier.print(Formatter.java:2667)
    at java.util.Formatter.format(Formatter.java:2433)
    at java.io.PrintWriter.format(PrintStream.java:920)
    at java.io.PrintWriter.printf(PrintStream.java:821)
    at Test.main(Test.java:7)

---- JGRASP wedge2: exit code for process is 1.
---- JGRASP: operation complete.
*/
```