

Quiz #1: Make a class that will compile and run and produce the output listed.

```
package firstproject;

public class FirstProject {

    public static void main(String[] args) {

        int x = 0;

        while (x < 4) {

            System.out.print("a");

            if (x<1) {

                System.out.print(" ");

            }

            System.out.print("\n");

            if (x > 1) {

                System.out.print(" oyster");

                x = x + 2;

            }

            if (x==1) {

                System.out.print("noys");

            }

            if (x<1) {

                System.out.print("oise");

            }

            System.out.println("");

            x = x + 1;

        }

    }

}
```

Output:

```
a noise
annoys
an oyster
```

Note: Each pool snippet can only be used once.

System.out.print(" ");	x>0	x = x + 1;
System.out.print(" a");	x<1	x = x + 2;
System.out.print(" n");	x>1	x = x - 2;
System.out.print(" an");	x>3	x = x - 1;
	x<4	
System.out.print("noys");		
System.out.print("oise");		
System.out.print(" oyster");		
System.out.print("annoys");		
System.out.print("noise");		

1. Which of the following are valid Java Identifiers? **Ans. C**

- A. A\$B
- B. \_helloWorld
- C. True
- D. Java.lang
- E. Public
- F. 1980\_s

2. Which of the following are true? (Choose all that apply) **Ans. B,D,E**

- 4: short numPets = 5;
- 5: int numGrains = 5.6;
- 6: String name = "Aileen";
- 7: numPets.length();
- 8: numGrains.length();
- 9: name.length();

- A. Line 4 generates a compiler error
- B. Line 5 generates a compiler error
- C. Line 6 generates a compiler error
- D. Line 7 generates a compiler error
- E. Line 8 generates a compiler error
- F. Line 9 generates a compiler error
- G. The code compiles as is

3. Which of the following legally fill in the blank so you can run the main() method from the command line? (Choose all that apply) **Ans. A,D**

- A. String[] \_names
- B. String[] 123
- C. String abc []
- D. String \_Names[]
- E. String ... \$n
- F. String names
- G. None of the above

4. Which of the following are true? (Choose all that apply) **Ans. A,D,E**

```
public class Java {  
    public static void main (String[] args){  
        Java javascript = new Java();  
    }  
}
```

- A. Java is a class
  - B. javascript is a class
  - C. main is a class
  - D. Java is a reference to an object
  - E. javascript is a reference to an object
  - F. main is a reference to an object
  - G. None of the above
5. Which represent the order in which the following statements can be assembled into a program that will compile successfully? (Choose all that apply) **Ans. A**

A: class Box {}

B: import java.util.\*;

C: package figures;

- A. B, C, A
- B. A, B, C
- C. C, B, A
- D. C, A
- E. B, A
- F. A, C
- G. A, B