

1. There are different types of loops that you can use in Java? The three are:

- a) while loops, do-while loops, for loops
- b) While loops, for loops
- c) While loops, while-do loops, for loops
- d) While loops, do loops, for loops

2) What is the outcome of this code?

```
int sum = 0, i = 1;
do {
    sum = sum + i;
    ++i;
}
while (i > 5);

System.out.println(sum);
```

- a. Compile Error
- b. Runtime Error
- c. 1
- d. 10

3) What is the condition statement in the code that ensures the loop will continue each time it is computed?

```
public static void main(String args[]) {
    for (int i = 0; i < 10; i++) {
        System.out.println("Hooray!");
    }
}
```

- a. $i < 10$
- b. 10
- c. $i++$
- d. $\text{int } i = 0$

4) Is s String a primitive type?

- a. No, because it is defined by a language.
- b. No, because it is an object-oriented class.
- c. Yes because it can be used just like you would with int.

d. Yes because Strings are not object-oriented.

5) Analyze the following code snippet.

```
int index=1;
while (index < 10) {
  index++;
}
```

How many times does the loop run?

a. 10

b. 9

c. 1

d. 0