1. What gets printed? Please show output as it will appear or indicate “NO OUTPUT”. If it’s an infinite loop, be sure to show at least 3 lines of output followed by “INFINITE LOOP.”

```
=====
int a = 4;
while (a>0) {
    a = a + 2;
    System.out.println(a);
}
=====
int a = 0;
while (a <= 6) {
    if ((a%2)==0)
        System.out.println(a);
    a++;
}
=====
int a = 1;
while (a < 4) {
    System.out.println(3*a);
    a++;
}
=====
String word = "namaste";
System.out.println(word.length());
System.out.println("hello: " + word.charAt(1));
int n = 0;
while (n < word.length()) {
    System.out.print("x" + word.charAt(n));
    n = n + 2;
}
```

Output:
6
8
10
... INFINITE LOOP

Output:
0
2
4
6

Output:
3
6
9

Output:
7
hello: a
xnxmxsxe

2. Given a Random object named gen, what range of values are produced by the following expressions?

- `gen.nextInt(8)` ________ 0 to 7
- `gen.nextInt(30) + 100` ________ 100 to 129
- `gen.nextInt(3) - 2` ________ -2 to 0
Quiz 3 2/15/18  Name:___________________________  ___/20

1. What gets printed? Please show output as it will appear or indicate “NO OUTPUT”. If it’s an infinite loop, be sure to show at least 3 lines of output followed by “INFINITE LOOP.”

```
int a = 4;
while (a >= 20)
{
    System.out.println(a);
    a += 5;
}
```

Output: NO OUTPUT

```
int a = 1;
while (a < 3)
{
    System.out.println(5*a);
    a++;
}
```

Output: 5 10

```
int a = 1;
while (a < 8)
{
    if ((a%2)==0)
        System.out.println(a);
    a++;
}
```

Output: 2 4 6

```
String word = "kumbaya";
System.out.println(word.length());
System.out.println("hello: " + word.charAt(2));
int n = 0;
while (n < word.length())
{
    System.out.print("|" + word.charAt(n));
    n++;
}
```

```
Output
7:
hello: m
|k|u|m|b|a|y|a
```

2. Given a Random object named gen, what range of values are produced by the following expressions?

- `gen.nextInt(3)` _______ 0 to 2
- `gen.nextInt(25) + 10` _______ 10 to 34
- `gen.nextInt(10) - 15` _______ -15 to -6