

CSE110 Review Questions

Prepared by Ryan Dougherty

1 Loops - Control Structures

Question 1 What are the 3 kinds of loops in Java?

Question 2 Write a loop that reads in int values until the user enters 0 and prints out how many values entered are greater than 10.

Question 3 Write a loop that will print out every other letter in a String str. For example, if the String was "Hello There", then "HloTee" will be printed.

Question 4 What is the output of the following loop? How many times does the loop execute?

```
int n = 979;
for (int j = 0; j <= n; j++) {
    System.out.println("Hello");
}
```

Question 5 What is the output of the following loop? How many times does the loop execute?

```
int j = 1;
int n = 5;
while (j <= n) {
    System.out.println("Hello");
    n--;
}
```

Question 6 What is the output of the following loop? How many times does the loop execute?

```
int n = 5;
for (int j = 1; j <= n; j += 3) {
    System.out.print("Hello ");
    int k = j;
    while (k < n) {
        System.out.println("Good Morning");
        k++;
    }
    j--;
}
```

Question 7 What is the output of the following loop? How many times does the loop execute?

```
int j = 1;
while (j <= 11) {
    System.out.println("Hello");
}
```

```
        j = j + 3;
    }
```

Question 8 What is the output of the following code?

```
String name = "Richard M. Nixon";
boolean startWord = true;
for (int i = 0; i < name.length(); i++) {
    if (startWord)
        System.out.println(name.charAt(i));
    if (name.charAt(i) == ' ')
        startWord = true;
    else
        startWord = false;
}
```

Question 9 What is the output of the following code?

```
int n = 1, i = 1;
while (i < 7) {
    n = n * i;
    i += 2;
}
System.out.print(n);
```