CSCI-101 Programming 1 - Quiz 3. Name _____

1. Write a fragment of code that uses a for-loop to print the numbers between 3 and 21 (inclusively) to the console on a single line.

```
for(int i = 3; i <= 21; i++) {
        System.out.print(i + " ");
}
System.out.println();
```

2. Write a fragment of code that uses a for-loop to compute the sum of the numbers between 3 and 21 (inclusively) and then prints the sum to the screen.

```
int sum = 0;
for(int i = 3; i <= 21; i++) {
        sum = sum + i;
}
System.out.println("sum: " + sum);
```

3. Write a fragment of code that uses a for-loop to compute the sum of the even numbers between 3 and 21 (inclusively) and then prints the sum to the screen.

```
int sum = 0;
for(int i = 3; i <= 21; i++) {
        if (i % 2 == 0) {
                sum = sum + i;
        }
}
System.out.println("sum: " + sum);
```

4. Write a fragment of code that does the following: Declare an array of integers named arr1 that can hold 5 integers and a Scanner that can read from the keyboard. Ask the user to enter in 5 integers, then store the integers that the user enters in the array.

```
Scanner kb = new Scanner(System.in);
int[] arr1 = new int[5];
System.out.println("Please enter 5 integers");

for(int i = 0; i < arr1.length; i++) {
        arr1[i] = kb.nextInt();
}
```

5. Assume you have an array of integers named arr2. Write a fragment of code that prints the integers that are stored in arr2 to the screen on a single line with spaces between the integers.

```
for(int i = 0; i < arr2.length; i++) {
        System.out.println(arr2[i] + " ");
}
System.out.println();
```