6.2

2.

String str = "Hello World";

for (int i = 0; i < 4; i++);

{

System.out.println(str);

str += "!";

}

String str = "Hello World";

for (int i = 0; i < 4; i++) {

System.out.println(str);

str += "!";

}

3. public class Example {

public static void main(String[] args) {

int[] numbers = {1, 2, 3};

try {

// This line will throw ArrayIndexOutOfBoundsException

System.out.println(numbers[5]);

} catch (ArrayIndexOutOfBoundsException e) {

// Handle the exception

System.out.println("Index out of bounds: " + e.getMessage());

}

}

}

4. public class SyntaxErrorExample {

public static void main(String[] args) {

int a = 5

System.out.println(a);

}

}public class LogicErrorExample {

public static void main(String[] args) {

int number = 10;

if (number > 20) {

System.out.println("Number is greater than 20.");

} else {

System.out.println("Number is less than 20."); // Logic error

}

}

}public class ExceptionExample {

public static void main(String[] args) {

String str = null;

System.out.println(str.length()); // This will throw NullPointerException

}

}