

```
Exception in thread "main" java.lang.Error: Unresolved compilation problem:
    This method must return a result of type String[]

    at Mastery.EvensAndOdds.categorizeNumbers(EvensAndOdds.java:32)
    at Mastery.EvensAndOdds1.main(EvensAndOdds1.java:11)
```

```
public String[] categorizeNumbers(int[] numbers) {
    StringBuilder evens = new StringBuilder();
    StringBuilder odds = new StringBuilder();
```

- No return for the method

```
return new String[]{evens.toString(), odds.toString()};
}
```

- Added a return statement in the method by a return for the even and odd numbers.

```
Exception in thread "main" java.lang.Error: Unresolved compilation problems:
    The method length() in the type AbstractStringBuilder is not applicable for the arguments (int)
    The method length() in the type AbstractStringBuilder is not applicable for the arguments (int)

    at Mastery.EvensAndOdds.categorizeNumbers(EvensAndOdds.java:41)
    at Mastery.EvensAndOdds1.main(EvensAndOdds1.java:11)
```

```
if (between_numbers % 2 == 0) {
    evens.length(between_numbers).length(" ");
} else {
    odds.length(between_numbers).length(" ");
}
```

- wrong method used

```
if (between_numbers % 2 == 0) {
    evens.append(between_numbers).append(" ");
} else {
    odds.append(between_numbers).append(" ");
}
```

- The append method allows the code to distinguish between odd and even to categorize.