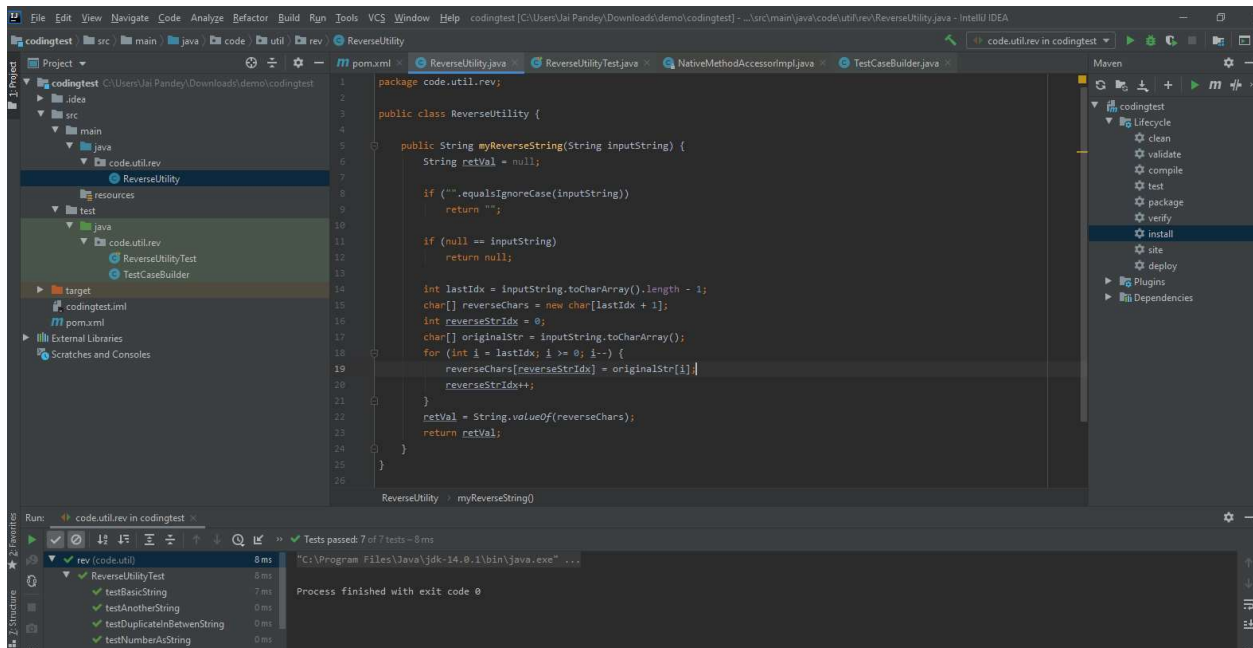


Coding Test Result:-

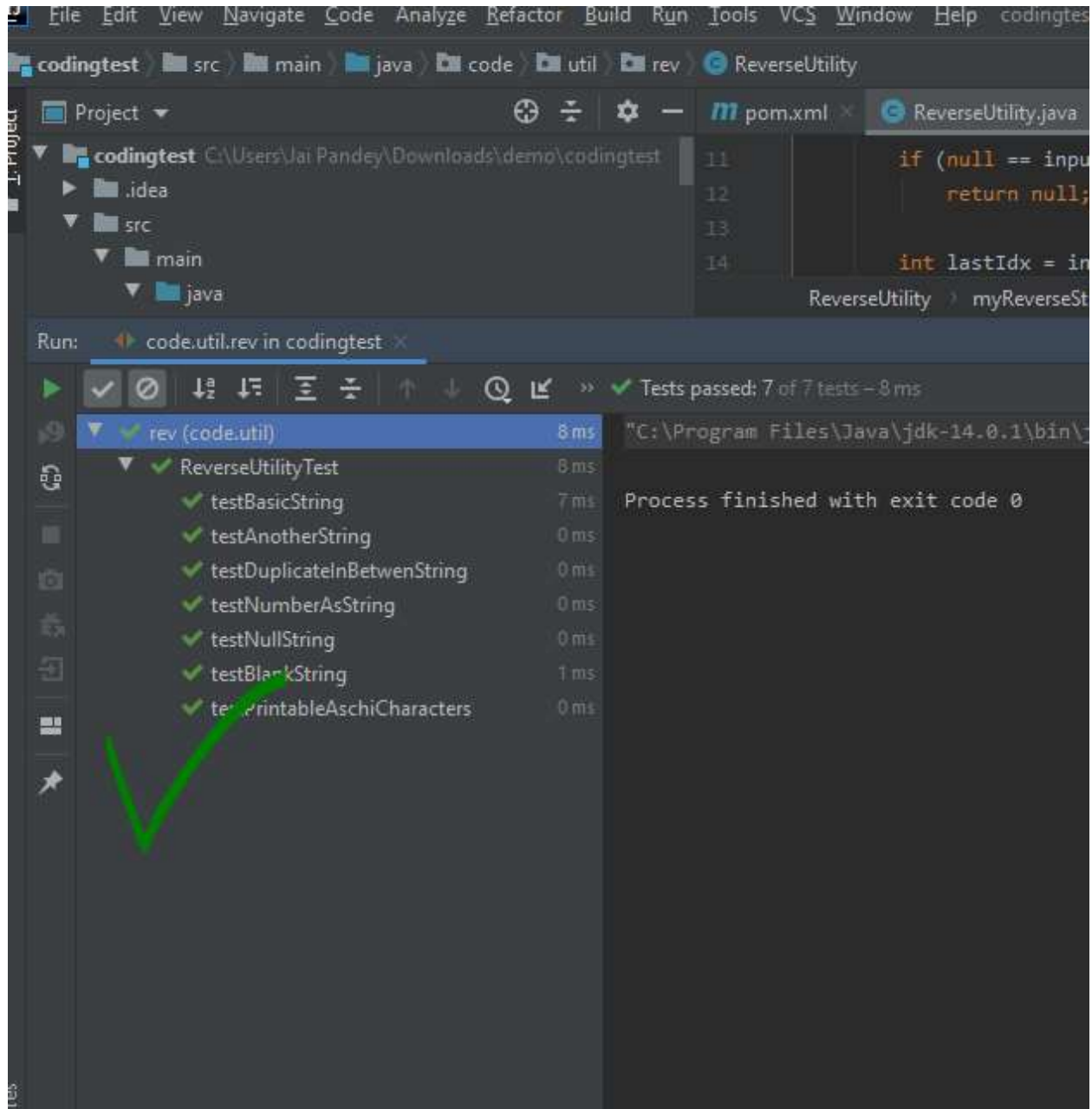


Custom solution Logic:-

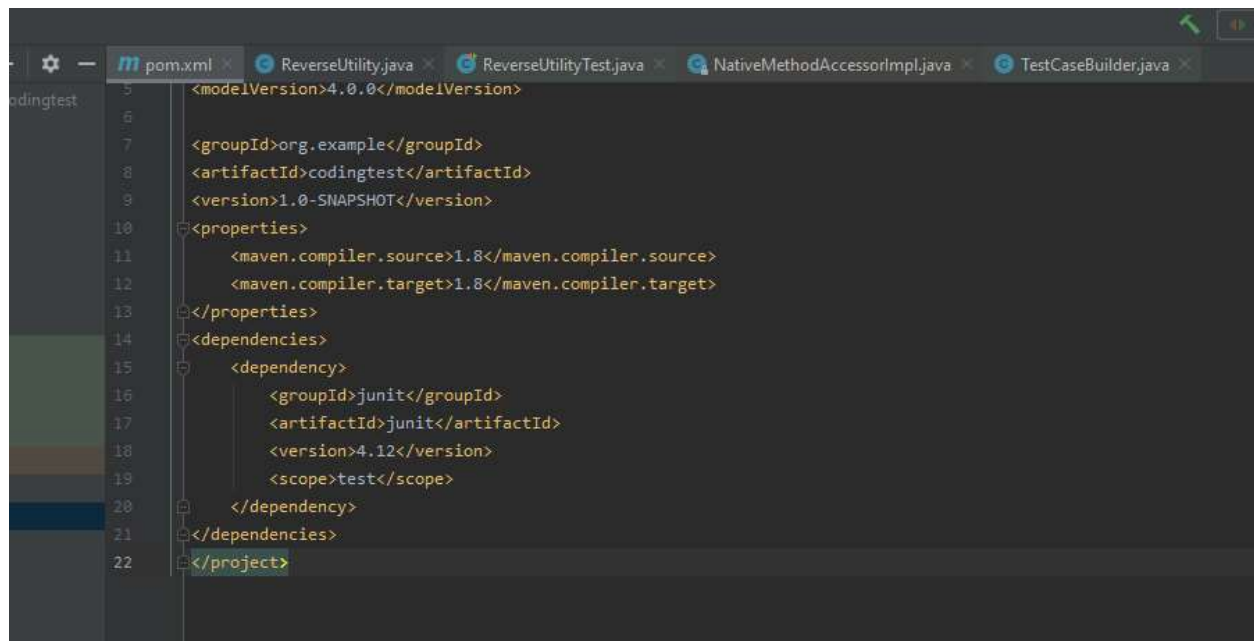
```
public class ReverseUtility {  
  
    public String myReverseString(String inputString) {  
        String retVal = null;  
  
        if ("".equalsIgnoreCase(inputString))  
            return "";  
  
        if (null == inputString)  
            return null;  
  
        int lastIdx = inputString.toCharArray().length - 1;  
        char[] reverseChars = new char[lastIdx + 1];  
        int reverseStrIdx = 0;  
        char[] originalStr = inputString.toCharArray();  
        for (int i = lastIdx; i >= 0; i--) {  
            reverseChars[reverseStrIdx] = originalStr[i];  
            reverseStrIdx++;  
        }  
        retVal = String.valueOf(reverseChars);  
        return retVal;  
    }  
}
```



Test Case executed: -

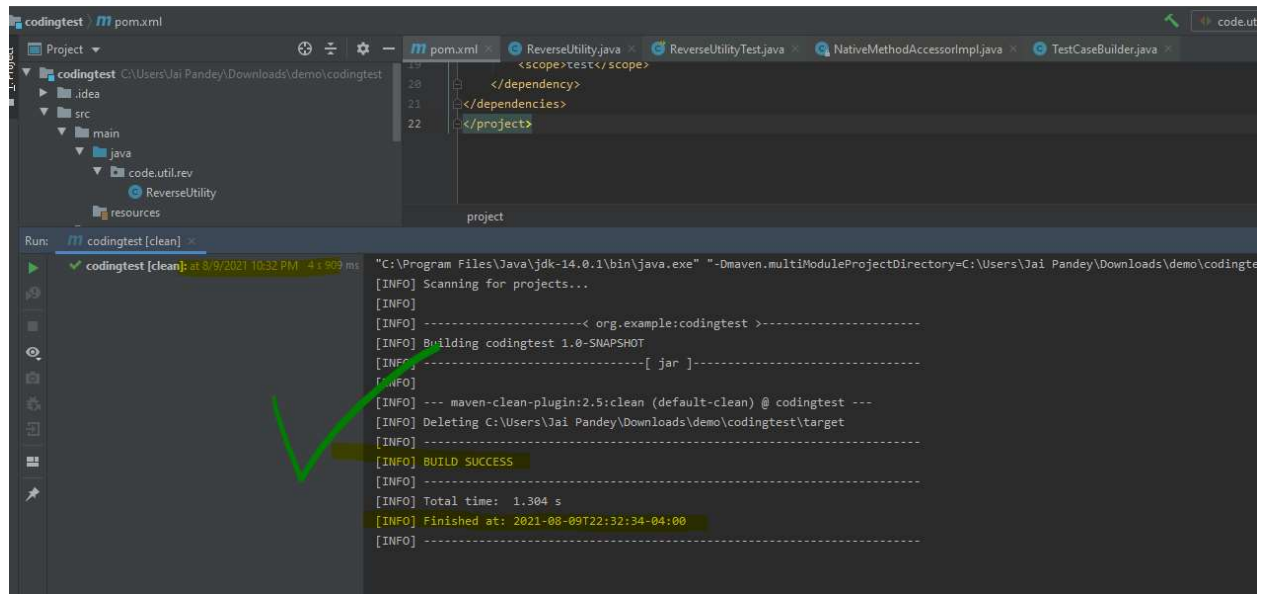


Basic Library used:-

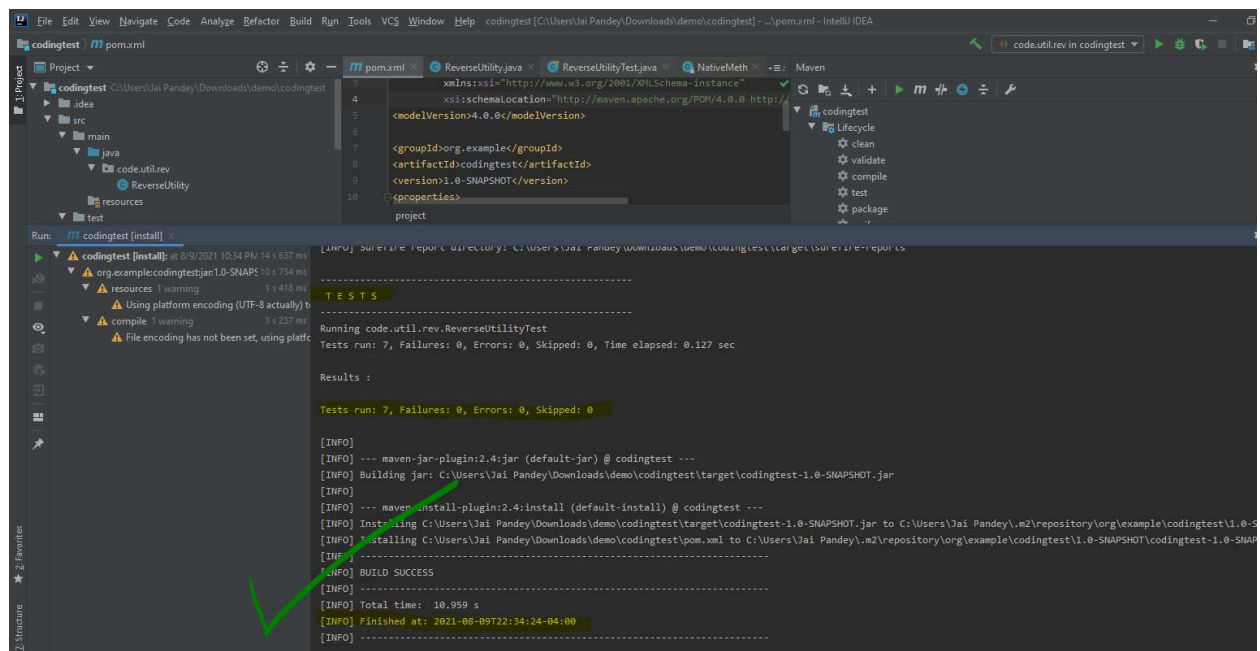


```
5 <modelVersion>4.0.0</modelVersion>
6
7 <groupId>org.example</groupId>
8 <artifactId>codingtest</artifactId>
9 <version>1.0-SNAPSHOT</version>
10 <properties>
11 <maven.compiler.source>1.8</maven.compiler.source>
12 <maven.compiler.target>1.8</maven.compiler.target>
13 </properties>
14 <dependencies>
15 <dependency>
16 <groupId>junit</groupId>
17 <artifactId>junit</artifactId>
18 <version>4.12</version>
19 <scope>test</scope>
20 </dependency>
21 </dependencies>
22 </project>
```

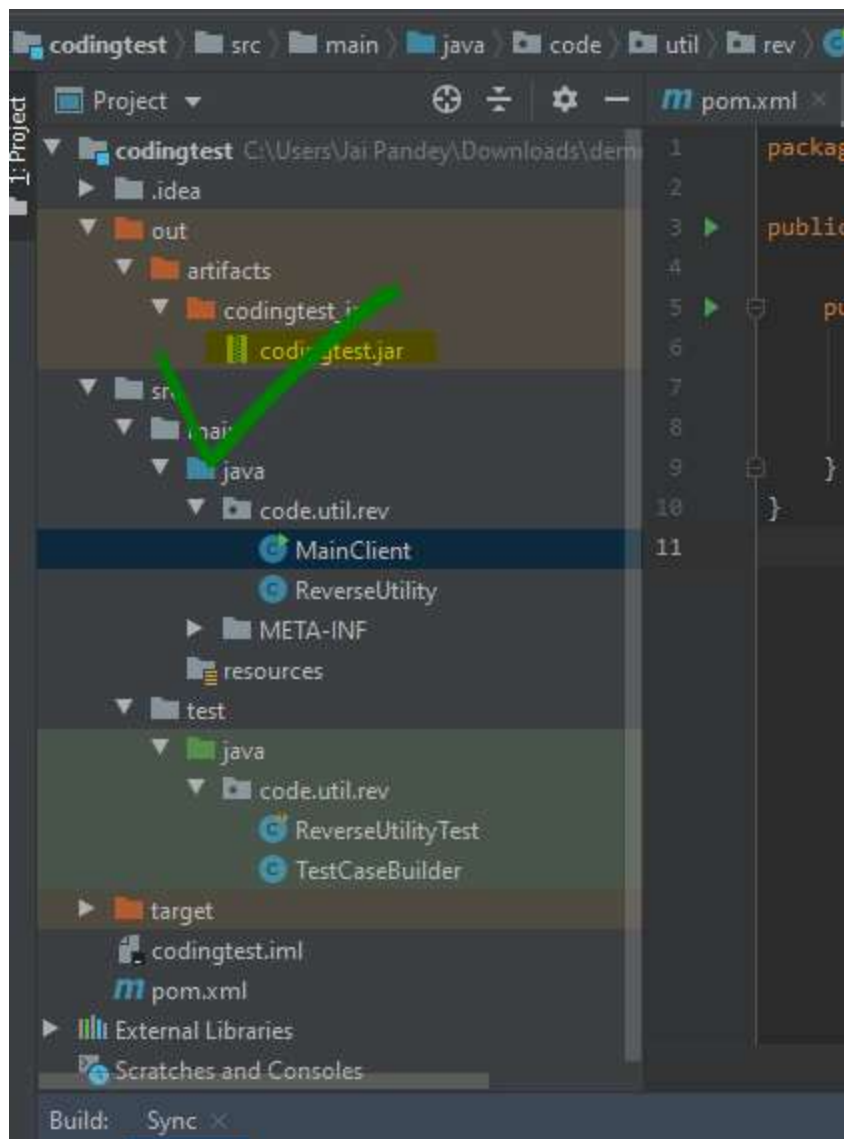
Build & Test on 9th August 2021:-



```
Run: m codingtest [clean] x
✓ codingtest [clean] at 8/9/2021 10:32 PM - 4 s 909 ms
"C:\Program Files\Java\jdk-14.0.1\bin\java.exe" "-Dmaven.multiModuleProjectDirectory=C:\Users\Jai Pandey\Downloads\demo\codingtest"
[INFO] Scanning for projects...
[INFO] -----< org.example:codingtest >-----
[INFO] Building codingtest 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ codingtest ---
[INFO] Deleting C:\Users\Jai Pandey\Downloads\demo\codingtest\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.304 s
[INFO] Finished at: 2021-08-09T22:32:34+04:00
[INFO] -----
```



Built & Deliver production ready artefacts:-



Attached Code base here:



codingtest.zip