
System Requirements Specification Index

For

Java Skills Evaluation

Version 1.0

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USE CASE DESCRIPTION

Use Case 1

Write a code to convert a string into its piglatin encode.

Example:

Input: This is a string

Output: hisTa sia aa tringsa

Description

1. Take console input of a string, in **main ()** method, from user
2. Pass the string to the method **getPiglatin()** and write the logic in that method to convert it into piglatin.
3. Return the piglatin string from **getPiglatin()** to **main()** and display the piglatin string.
4. Template Code of the same is provided at:

com.iiht.evaluation.yaksha.piglatin.MyApp

Use Case 2

Write a code to convert a number into individual words

Example:

Input: 2435

Output: TWO FOUR THREE FIVE

Description

1. Take console input of a number, in **main ()** method from the user.
2. Pass the number to method **getWords()** and write the logic in that method to convert numbers into individual words and store them in a single string.
3. Return the string from **getWords()** to **main()** and display the string.
4. Template Code of the same is provided at:

com.iiht.evaluation.yaksha.words.MyApp

EXECUTION STEPS

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) → Terminal → New Terminal.
3. This editor Auto Saves the code.
4. Command to run code for use-case 1:

```
sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn compile exec:java  
-Dexec.mainClass="com.iiht.evaluation.yaksha.piglatin.MyApp"
```

***If it asks for the password, provide password : pass@word1**

5. Command to run code for use-case 2:

```
sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn compile exec:java  
-Dexec.mainClass="com.iiht.evaluation.yaksha.words.MyApp"
```

***If it asks for the password, provide password : pass@word1**

CONSIDERATIONS

1. **Mandatory:** Run the following command before the final submission

```
sudo JAVA_HOME=$JAVA_HOME /usr/share/maven/bin/mvn test
```


(You can run this command multiple times to identify the test case status, and refactor code to make maximum test cases passed before final submission)
2. Your code will also be evaluated for code quality, naming conventions, readability etc.

3. Make sure you do not modify existing class and method names and their signatures, else it would severely affect final result
4. Make sure you do not add any new class or methods, else it would severely affect final result
5. Make sure you do not modify any test cases, else it would severely affect final result