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# System Requirements Specification Index

For

## Core Python Slicing strings in python

Version 1.0

Problem Statement : Using the Python String Slicing functions

Description : Use relevant methods of string slicing to perform specified activities which are given in the instructions.

The Template contains the following folder structure.

```
Slicing of string |  
                  |--string_ex.py  
                  |--test (contains unit test case files for the solution)
```

### **String\_ex.py:**

Implement all the methods as specified in the following instructions.

1. What does the slicing function return when applied to the string "this is my world" with arguments (1, 3)?
2. How does the slice deletion function modify the string "Delete the word" when removing characters from index 6 to index 12?
3. How is string slicing utilized in the reverse string function to reverse the string "THEWORLDISMINE"?
4. Explain how the tokenize sentence function tokenizes the sentence "I like working in my company" into words.
5. What does the extract long words function return when extracting words longer than 4 characters from the sentence "I like to work with python"?
6. Describe how the transform extensions to lowercase function transforms the list of file extensions ["TXT", ".jpg", ".PNG", ".html"] into lowercase using string slicing.
7. How does the slice with skip function utilize string slicing to skip characters while slicing the string "abcdefghij" with a skip value of 2?
8. Explain the outcome of applying the extract domain function to the email address "user@yaksha.com". What is extracted?
9. What is the result of using the search and manipulate filenames function to replace ".docx" with ".pdf" in the list of filenames ["document1.docx", "document2.docx", "report.docx", "presentation.pptx"]?

### **Execution Steps to Follow:**

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. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while

logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.

6. To setup environment:

You can run the application with out importing any packages

7. To launch application:

```
python3 string_ex.py
```

8. To run Test cases:

```
python3 -m unittest
```

9. Before Final Submission also, you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository for code quality analysis graph.

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