



**BUGSMIRROR RESEARCH PVT. LTD.**

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**You have to solve any one of the following tasks:**

**Max Time: 1.5 hrs**

## **Task 1: Dictionary Generator**

In this task you have to develop a dictionary console tool in any programming language of your interest. This tool will generate a file where the list of words and its corresponding meaning are stored. The generated file will be in .txt format. This tool will have the following features:

- Tool will generate a .txt formatted file in the current directory.
- Tool will take **word-meaning** input and store it in the .txt file.
- Tool will take the word as input and return the meaning after searching through the .txt file.
- Tool will take the word as input and remove the word and its meaning from the .txt file.
- Tool should be easy to use.

### **Constraints:**

- Words with multiple meanings should be handled in such a way that no word is present more than once in the .txt file.
- You can't use any third party packages, you have to use only inbuilt functions provided by the programming language.

### **Scoring:**

- Completion percentage
- Code Quality

### **Bonus:**

- Searching should be optimized
- Error Handling

## **Task 2: Clipboard**

In this task you have to develop a clipboard console tool in any programming language of your interest. This tool will allow users to perform clipboard operations such as **cut**, **copy & paste** on text in selected .txt formatted files. This tool will have the following features:

- The tool will allow you to choose an operation to perform.
- The tool will perform a selected operation and display the output after the operation.
- The tool should be easy to use.

### **Resources/Constraints:**

- For cut and copy operations, take line number and index for both start and end positions in the text file.
- For paste operation, take line number and index where cut or copied string will be pasted in the text file.
- You can't use any third party packages, you have to use only inbuilt functions provided by the programming language.

### **Scoring:**

- Completion percentage
- Code Quality

### **Bonus:**

- Store previously cut or copied text at runtime and perform the last operation first.
- Error handling

### **Steps for uploading your code:**

- Create a new folder and copy all your files inside this folder.
- Compress this folder (zip it).
- [Upload your code here.](#)