

# Core Python Assessment Test

- Write a program to demonstrate the Python E-Note Book Console based application
- Prepare demonstration of Python E-Note Book under software development principles and follow coding protocols
- In this application 3 operations involved (generate note, view note)
- Execution of the code following menu must be displayed.
- Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on your console screen.

```

Welcome to Python E - Note

Press 1 for generate Note
Press 2 for view Note
press 4 for exit

Enter your choice :
```

- when user select option 1 then accept following details from user

```

Welcome to Python E - Note

Press 1 for generate Note
Press 2 for view Note
press 4 for exit

Enter your choice : 1
Enter Python E-Note Generator Name : Anjali Patel
Enter Python E-Note Title : Python Introduction
Enter E-Note Content : Python higher level programing language
```

- user can add notes, view all notes, and exit from the system
- Accept all values dynamically from user
- Store all notes in files

- **Make sure this code implements using file handling concept**
- **create separate file for all business logics and make them reusable - use modules concepts for implements above logic**

**After each operations always display menu:**

```

Welcome to Python E - Note

Press 1 for generate Note
Press 2 for view Note
press 4 for exit

Enter your choice : 1
Enter Python E-Note Generator Name : 898
Error : Invalid Input
Enter Python E-Note Generator Name : █

```

- **Make sure validation proper given – each options - display appropriate message if user enter invalid input and accept values again and - use looping concepts and string inbuilt methods concepts in this logic implementation**
- **Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**

**After entered notes output must be like following:**

```

1  -----
2  2022-07-27 20:10:54.725611
3  E-Note Title : Python Introduction
4  ✓ E-Note Description : Python Programing Language
5    |   |   |   |   |   |   |   |   |   |   |   |   |
6    |   |   |   |   |   |   |   |   |   |   |   |   |
7  -----
8  2022-07-27 20:11:48.962605
9  E-Note Title : Tech Fest Event
10 ✓ E-Note Description : Tech Fest Event Coming soon..... roll your sleeve and prepare yourself
11 |   |   |   |   |   |   |   |   |   |   |   |   |
    |   |   |   |   |   |   |   |   |   |   |   |   |

```

- **Generate a log file and store all transaction details in that log file.**
- **After each selection menu must be displayed asking for user input**
- **After execution of each option confirmation message must be displayed.**
- **Program should not be terminated till the user Exit it**
- **Developer needs to test his product before launching it into the market**
- **After completion this project upload it on GitHub**
  - **Upload all features in develop branch after completion all features merge it with main branch**