**PART-A**

**Title of Micro Project:** Text Editor.

**1.0 Brief Introduction:**

- JAVA was developed by James Gosling at Sun Microsystems Inc in the year 1991, later acquired by Oracle Corporation.
- It is a simple programming language. Java makes writing, compiling, and debugging programming easy. It helps to create reusable code and modular programs.
- It is an advanced technology or advance version of Java specially designed to develop web-based, network-centric or enterprise applications, it includes the concepts like Servlet, JSP, JDBC, RMI, Socket programming, etc.
- A text editor is a tool that allows a user to create and revise documents in a computer. Though this task can be carried out in other modes.
- The word text editor commonly refers to the tool that does this interactively.
- For this project, we are using the jdk 1.8 and sublime editor.

**2.0 Aim of the Micro Project:**

The main objectives of this Text Editor are as follows:

- User should able to write text in this text editor.
- User should able to new blank editor.
- User should able to save the typing text file.
- User should also able to open the file.
- User should able to change the font color, font size and also the font styles.
- User should also to use the short key such as ctrl+S for saving the file and ctrl+O for opening the file.

**3.0 Action Plan:**

| Sr. No. | Details of Activity | Planned Start Date | Planned Finish Date | Name of Responsible Team Members |
|---|---|---|---|---|
| 1 | Deciding the Topic | 30-11-2021 | 30-11-2021 | Kaushik Shigavan<br>Harshad Raurale |
| 2 | Writing the Code | 03-12-2021 | 07-12-2021 | Kaushik Shigavan<br>Harshad Raurale |
| 3 | Making Report | 07-12-2021 | 10-12-2021 | Kaushik Shigavan<br>Harshad Raurale |

**4.0 Resources Required (Such as raw material, some machining facility, software etc.)**

| Sr. No. | Name of Resource/Material | Specifications | Qty | Remarks |
|---|---|---|---|---|
| 1 | Notes and useful websites | For collecting information | - | |
| 2 | JKD 1.8 and Sublime Editor | To write the Code | 1 | |
| 3 | Microsoft Word | To make report | 1 | |

**PART-B**

**Title of Micro Project:** Text Editor.

### 1.0 Brief Introduction:

- JAVA was developed by James Gosling at Sun Microsystems Inc in the year 1991, later acquired by Oracle Corporation.
- It is a simple programming language. Java makes writing, compiling, and debugging programming easy. It helps to create reusable code and modular programs.
- It is an advanced technology or advance version of Java specially designed to develop web-based, network-centric or enterprise applications, it includes the concepts like Servlet, JSP, JDBC, RMI, Socket programming, etc.
- A text editor is a tool that allows a user to create and revise documents in a computer. Though this task can be carried out in other modes.
- The word text editor commonly refers to the tool that does this interactively.
- For this project, we are using the jdk 1.8 and sublime editor.

### 2.0 Aim of the Micro Project:

The main objectives of this Text Editor are as follows:

- User should able to write text in this text editor.
- User should able to new blank editor.
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### 3.0 Course Outcomes Integrated:

- Develop programs using GUI Framework (AWT and Swing).
- Handle events of AWT and Swings components.
- Develop programs to handle events in Java Programming.

### 4.0 Actual Procedure Followed:

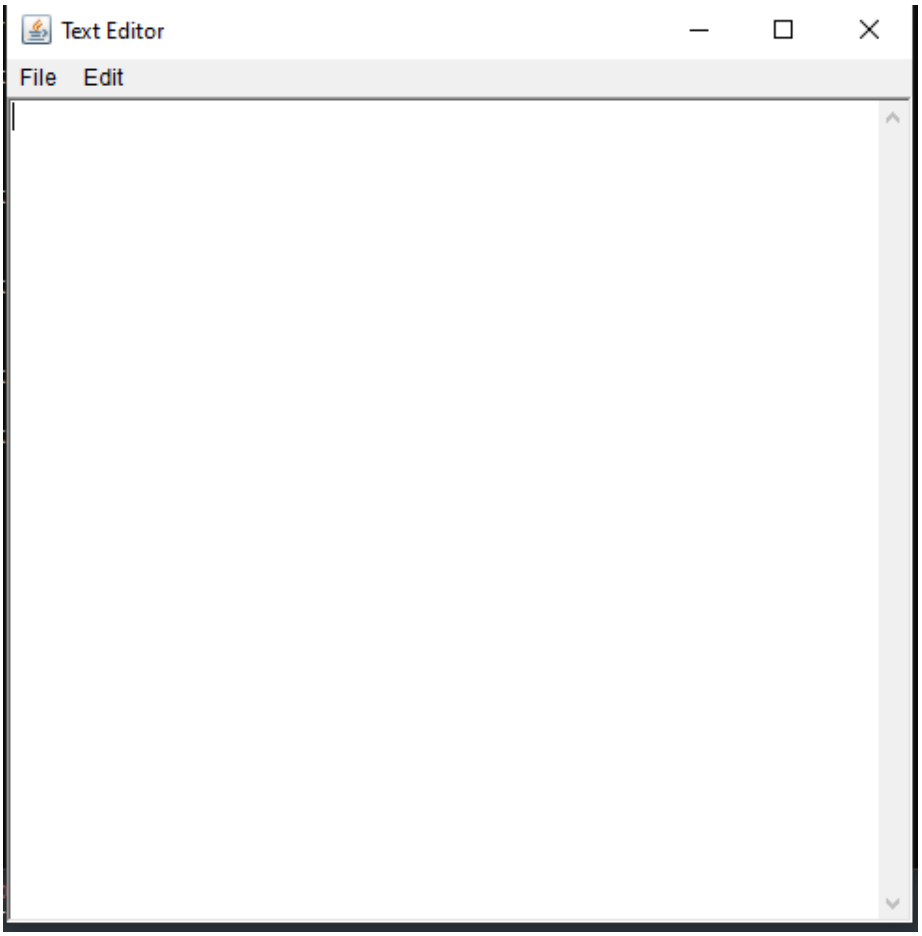
- First, we created the class such as “My_Notepad” and extend to frame and implements the ActionListener.
- Then we created all the components such as “TextArea”, “MenuItem”, “Menu”, “MenuBar”, “MenuShortcut” in private.
- Then we created the constructor of class My_Notepad and assign all the components.
- After that we add all the component in the frame sequence wise.
- Then we assigned “addActionListener” to all components by using “this” keyword.
- By using “setTitle” and “setSize” we assign the frame title and frame size.
- After we used the addWindowListener to close the frame.
- Then we created a “actionPerformed(ActionEvent ae)” function to assign all the action and event to all the components.

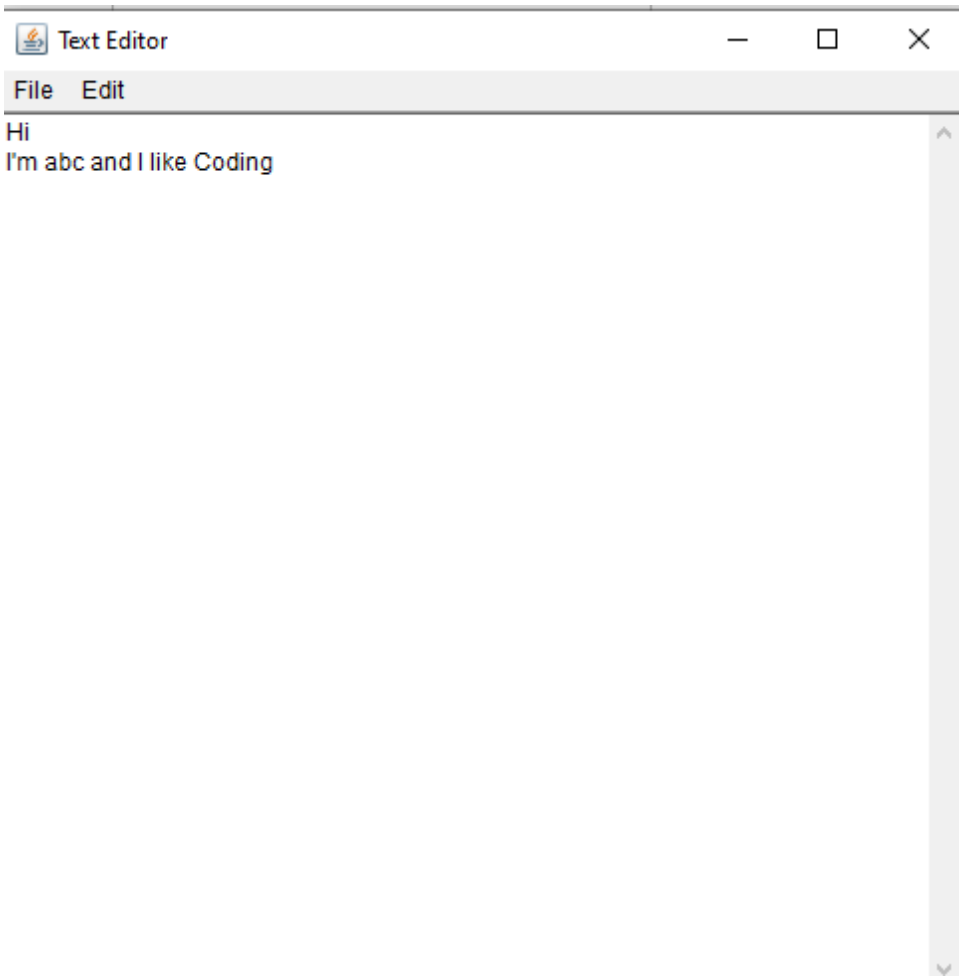
- Then we created the class named “Notepad” and in main function we call the constructor of class “My_Notepad”.

**5.0 Actual Resources Used:**

| Sr. No. | Name of Resource/Material | Specifications | Qty | Remarks |
|---|---|---|---|---|
| 1 | Notes and useful websites | For collecting information | - | |
| 2 | JKD 1.8 and Sublime Editor | To write the Code | 1 | |
| 3 | Microsoft Word | To make report | 1 | |

**6.0 Outputs of the Micro Project:**

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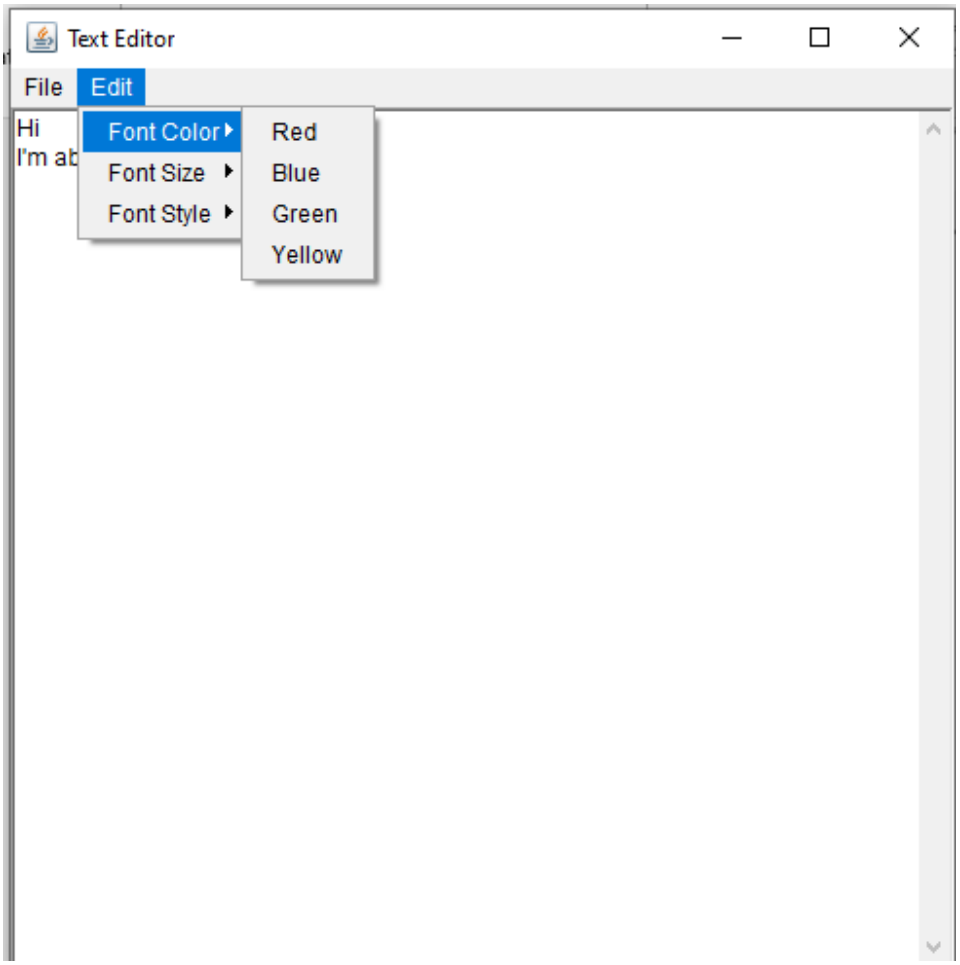
I'm abc and I like Coding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File
Edit
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I'm ab
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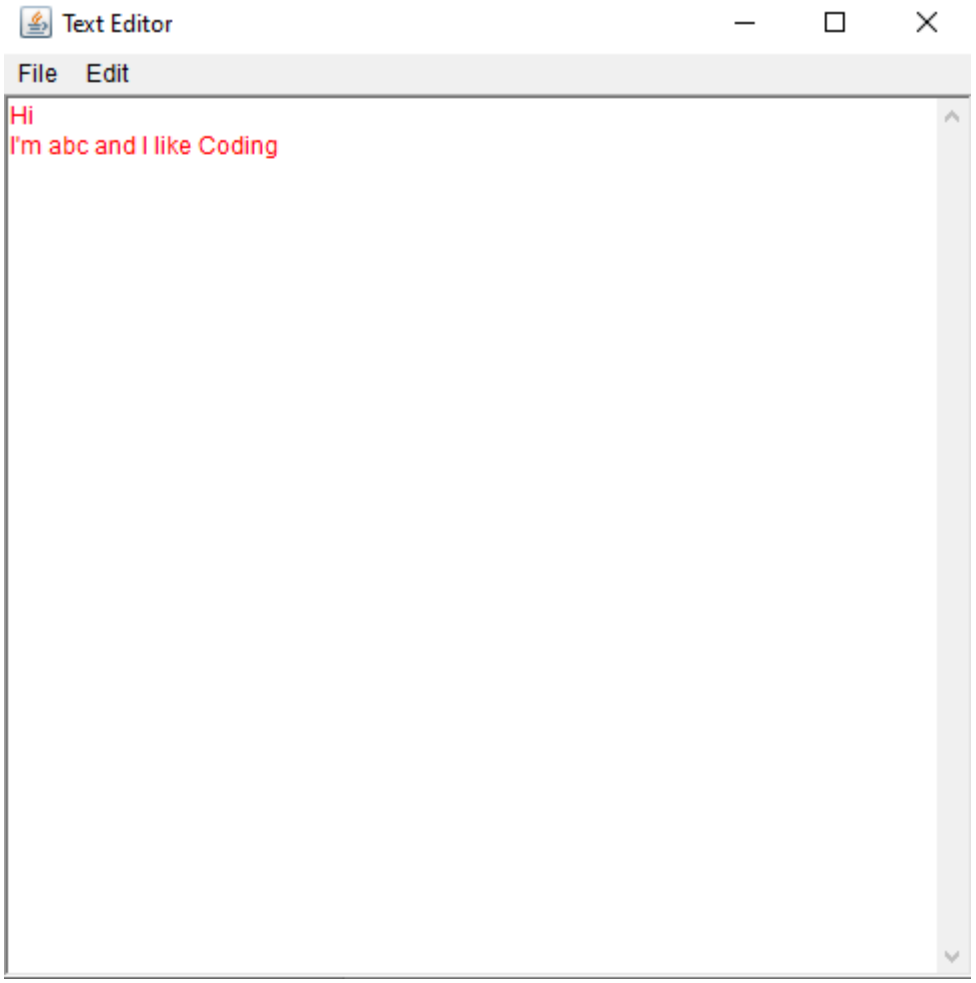
Text Editor
File
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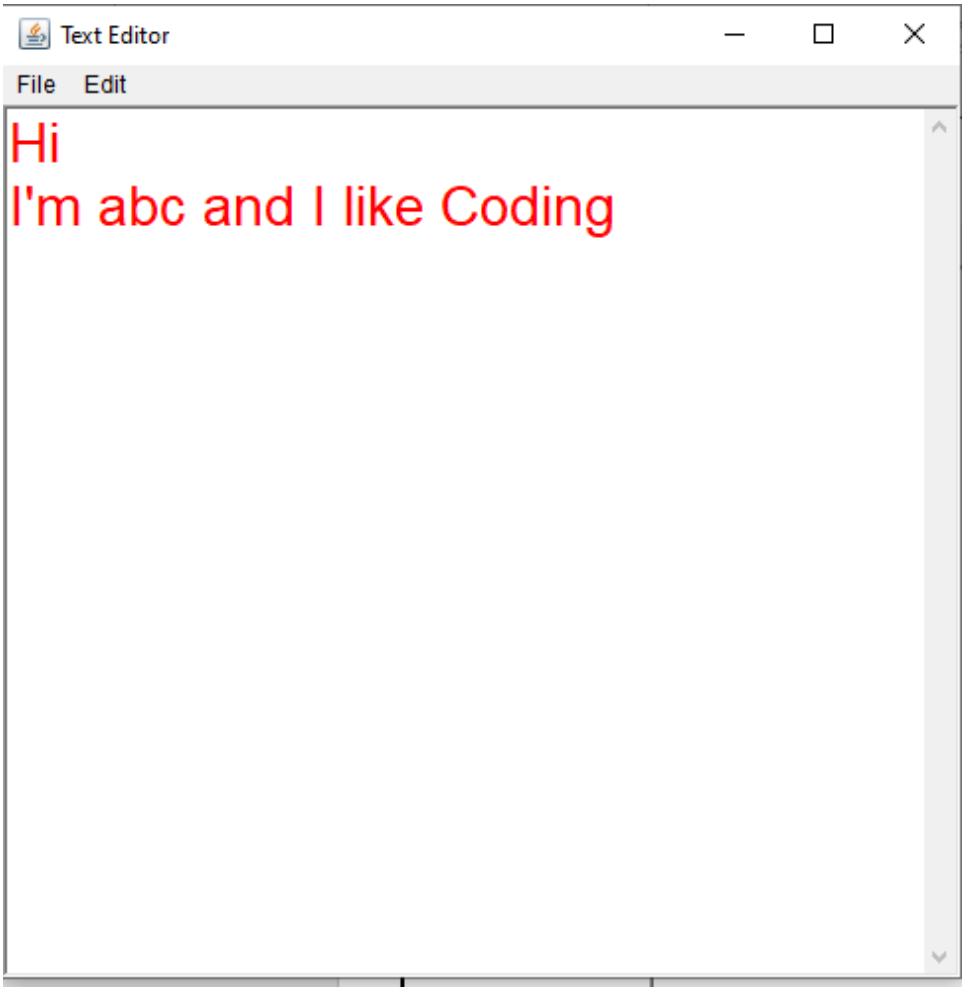
I'm abc and I like Coding


Text Editor
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Hi
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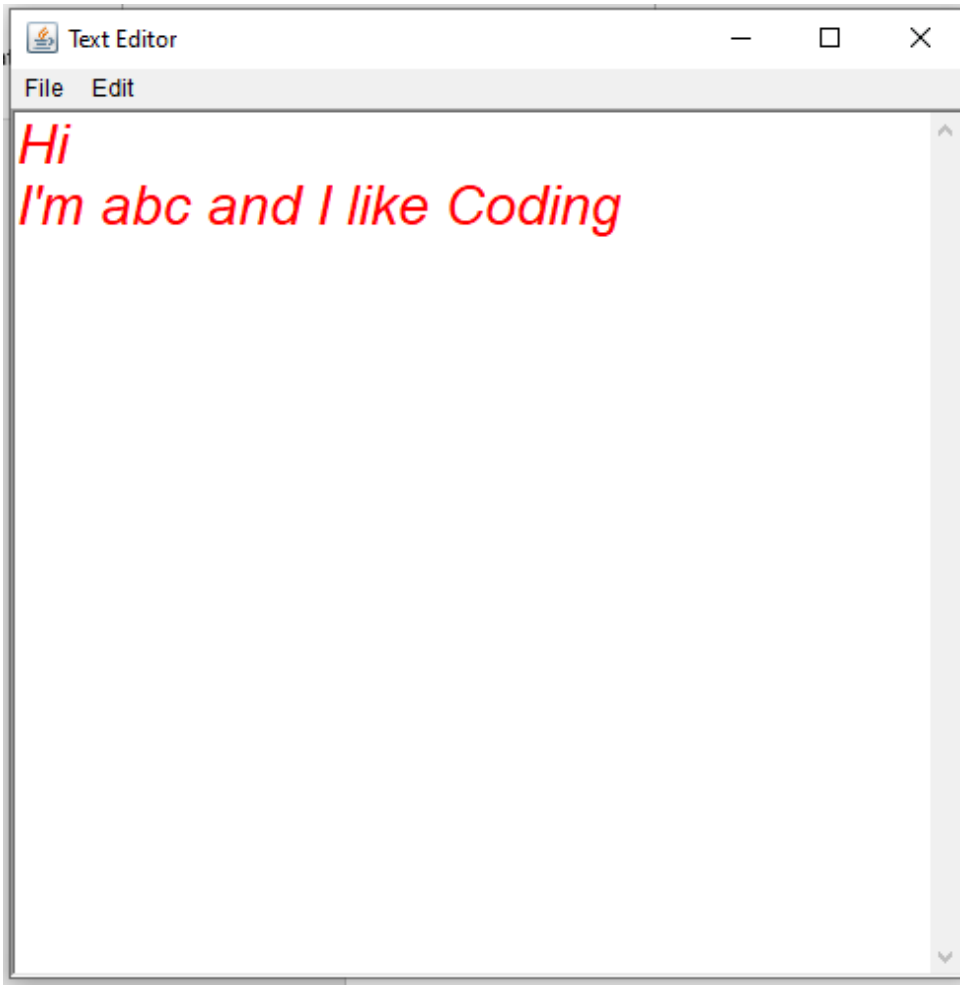
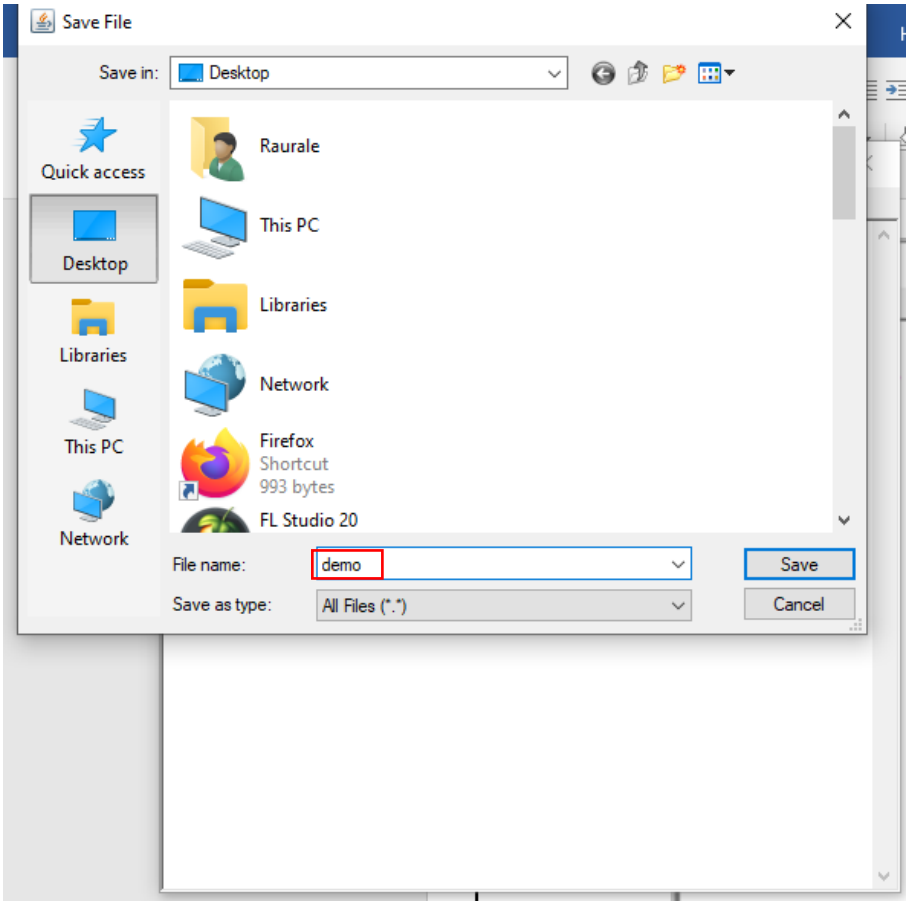

Text Editor
File
Edit
Hi
I'm abc and I like Coding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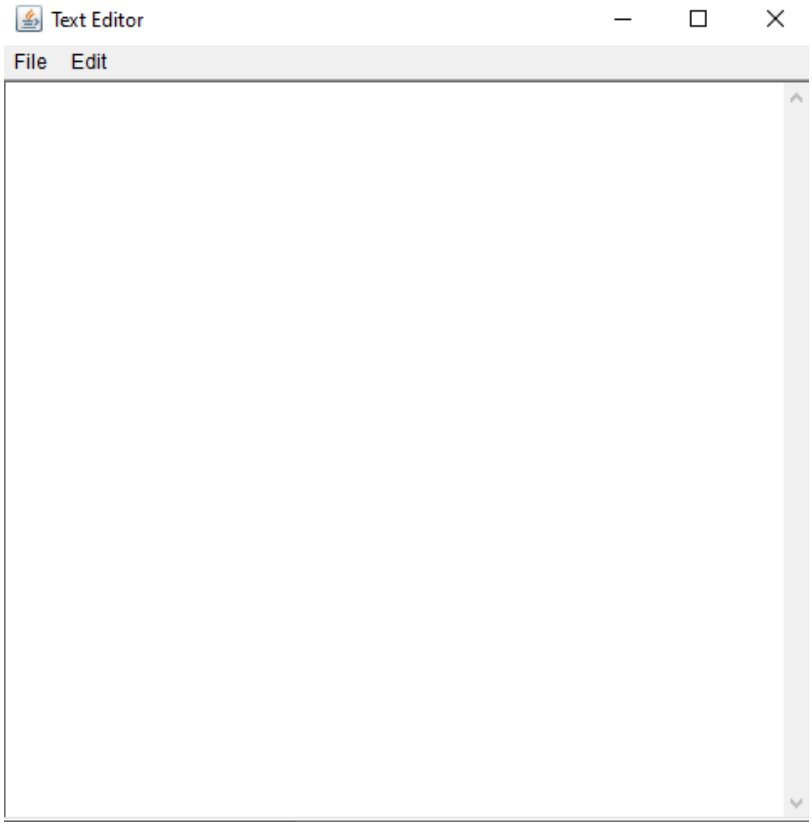
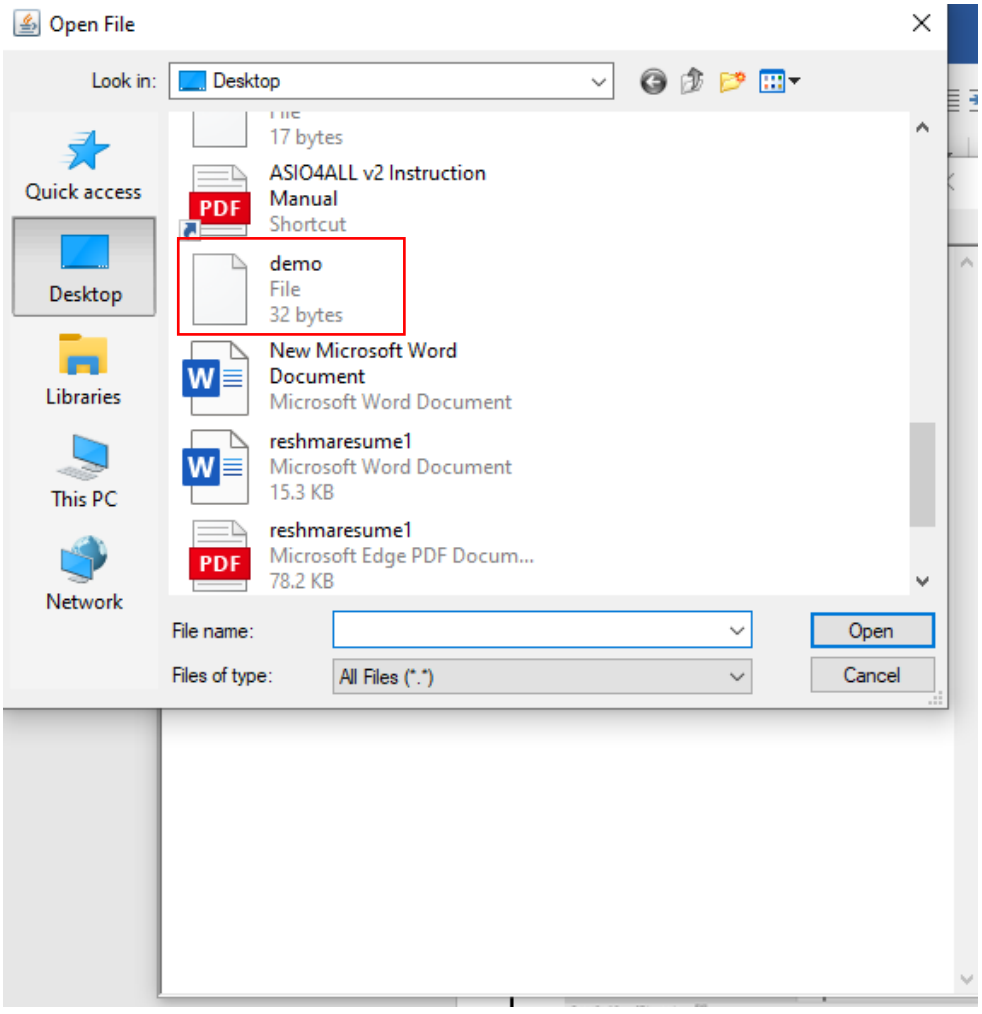

Text Editor
File
Edit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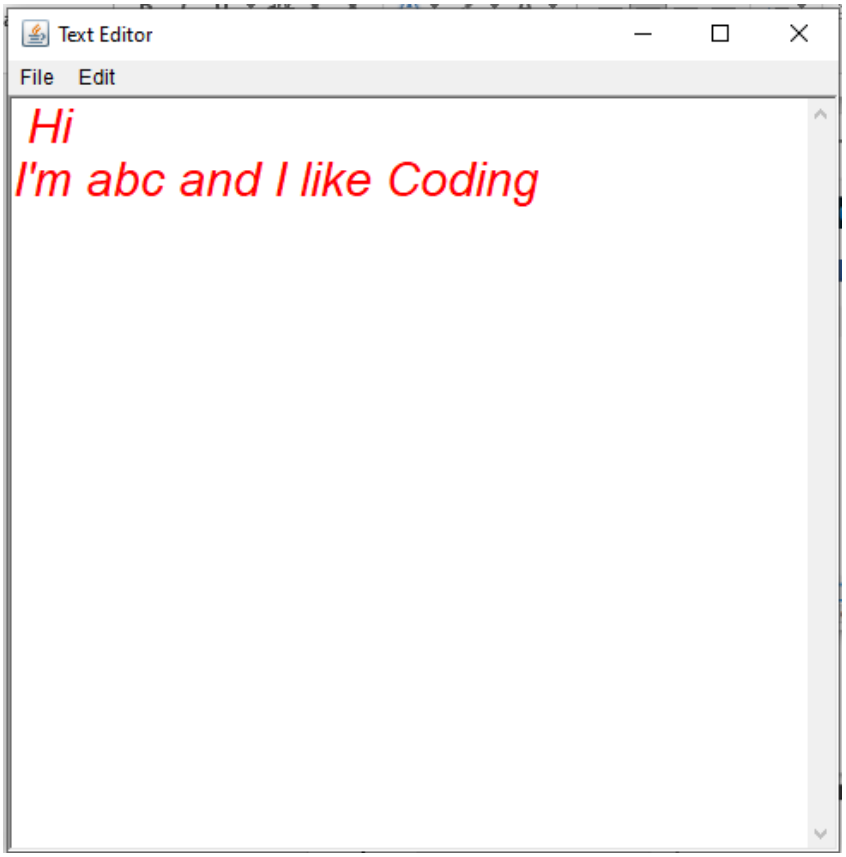


**7.0 Skills Developed/ Learning of the Micro Project:**

- Teamwork and good leadership lead to the success of the job that we have been assigned.
- All the team members were responsible enough to handle their jobs and did greatwork throughout the project.
- The opinions and suggestions of all the team members were taken and heartilyrespected.
- We gathered information and studied different functions, methods and constructors.
- This microproject helped us in understanding as how to use Java AWT, Swing and Event Handling.

| GROUP MEMBERS | ROLL NO. |
|---|---|
| KAUSHIK SHIGAVAN | 19203A0003 |
| HARSHAD RAURALE | 19203A0029 |