**Project Name: Notepad**

* **Group 02**
* **Group member:**
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* **Details about notepad:**

Our final term project is notepad. It’s a commonly used application with many useful features. the reason behind choosing notepad as a final term project is to improve our skills and make such an application known by everyone.

We have tried our best to make it the easiest and user-friendly application. We have added many features here. Our notepad has four menu bar that are **File Menu, Edit Menu, Font** and **Help.** Each has different and useful functions. You can easily cut, copy, paste, edit, change colour, replace, select, open any file and save your document here.

* **Uses Of Notepad In Real Life:**

One of the main advantages of the notepad is that you have everything written down in one place. Wherever you are, there is no need to worry — all the necessary information on this or that subject is always at hand.

**6 Ways To Use Notepad:**

* Taking Notes.
* To-Do Lists.
* Doodling & Sketching.
* Gift Bag Fillers.
* Brainstorming.
* Shopping Lists.
* **Code:**

1. import tkinter as tk
2. from tkinter import scrolledtext
3. from tkinter import messagebox
4. from tkinter import filedialog
6. class Notepad:
7. def \_\_init\_\_(self, master):
8. self.master = master
9. self.master.title("Advanced Notepad")
10. self.textarea = scrolledtext.ScrolledText(master, wrap=tk.WORD, undo=True)
11. self.textarea.pack(expand=True, fill='both')
13. # Create a menu bar
14. self.menu\_bar = tk.Menu(master)
15. self.master.config(menu=self.menu\_bar)
17. # Create a File menu
18. self.file\_menu = tk.Menu(self.menu\_bar, tearoff=0)
19. self.menu\_bar.add\_cascade(label="File", menu=self.file\_menu)
20. self.file\_menu.add\_command(label="New", command=self.new\_file)
21. self.file\_menu.add\_command(label="Open", command=self.open\_file)
22. self.file\_menu.add\_command(label="Save", command=self.save\_file)
23. self.file\_menu.add\_separator()
24. self.file\_menu.add\_command(label="Exit", command=self.exit\_notepad)
26. # Create an Edit menu
27. self.edit\_menu = tk.Menu(self.menu\_bar, tearoff=0)
28. self.menu\_bar.add\_cascade(label="Edit", menu=self.edit\_menu)
29. self.edit\_menu.add\_command(label="Undo", command=self.textarea.edit\_undo)
30. self.edit\_menu.add\_command(label="Redo", command=self.textarea.edit\_redo)
31. self.edit\_menu.add\_separator()
32. self.edit\_menu.add\_command(label="Cut", command=self.cut\_text)
33. self.edit\_menu.add\_command(label="Copy", command=self.copy\_text)
34. self.edit\_menu.add\_command(label="Paste", command=self.paste\_text)
35. self.edit\_menu.add\_separator()
36. self.edit\_menu.add\_command(label="Select All", command=self.select\_all)
38. def new\_file(self):
39. self.textarea.delete(1.0, tk.END)
41. def open\_file(self):
42. file\_path = filedialog.askopenfilename()
43. if file\_path:
44. with open(file\_path, 'r') as file:
45. content = file.read()
46. self.textarea.delete(1.0, tk.END)
47. self.textarea.insert(tk.INSERT, content)
49. def save\_file(self):
50. file\_path = filedialog.asksaveasfilename(defaultextension=".txt")
51. if file\_path:
52. content = self.textarea.get(1.0, tk.END)
53. with open(file\_path, 'w') as file:
54. file.write(content)
56. def exit\_notepad(self):
57. if messagebox.askyesno("Exit", "Are you sure you want to exit?"):
58. self.master.destroy()
60. def cut\_text(self):
61. self.textarea.event\_generate("<<Cut>>")
63. def copy\_text(self):
64. self.textarea.event\_generate("<<Copy>>")
66. def paste\_text(self):
67. self.textarea.event\_generate("<<Paste>>")
69. def select\_all(self):
70. self.textarea.tag\_add("sel", "1.0", "end")
72. def main():
73. root = tk.Tk()
74. app = Notepad(root)
75. root.mainloop()
77. if \_\_name\_\_ == "\_\_main\_\_":
78. main()

* **Review About Bano Qabil:**

Bano Qabil Is Such A Amazing And Helpful Platform For Us. I Am Very Thankful To Muhammad Naeem Ur Rehman To Provide Us Such A Great Opportunity. The Teachers And The Staff Are Very Coperative,and The Environment Was Also Friendlu. I Am Looking Forward To Avail This Opportunity In 3.O Too.