

Activity 130 Write a program that inputs a text file. The program should print all of the unique words in the file in alphabetical order.

```
def extract_unique_words(file_path):  
    unique_words = set()
```

try:

```
    with open(file_path, 'r', encoding='utf-8') as file:
```

```
        for line in file:
```

```
            words = line.split()
```

```
            for word in words:
```

```
                # Remove punctuation and convert to lowercase for  
                uniformity
```

```
                cleaned_word = word.strip('.,!?'()[\]{}";'")
```

```
                cleaned_word = cleaned_word.lower()
```

```
                unique_words.add(cleaned_word)
```

```
    except FileNotFoundError:
```

```
        print(f"Error: File '{file_path}' not found.")
```

```
    except Exception as e:
```

```
        print(f"Error: {e}")
```

```
    return sorted(list(unique_words))
```

```
def main():
```

```
    file_path = input("Enter the path to the text file:")
```

```
    unique_words = extract_unique_words(file_path)
```

```
    if unique_words:
```

```
        print("Unique words in alphabetical order:")
```



```

for word in unique_words:
    print(word)
else:
    print("No unique words found.")

```

```

if __name__ == '__main__':
    main()

```

Output →

```

Activity_13 > textFile.txt
1 hello world!
2 This is a test file.
3 This a python progrma.
4 Python is easy language.
5

```

```

Enter the path to the text file: Activity_13\textFile.txt
Unique words in aplphabetical order:
a
easy
file
hello
is
language
progrma
python
test
this
world

```

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