Experiment 13: Write a program that inputs a text file. The program should print all of the unique words in the file in aplhabetical order.

CODE:

```python
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 punctuatuion and convert to lowercase for unoformity

                    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))
```

```python
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 aplhabetical 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 aplhabetical order:
a
easy
file
hello
is
language
progrma
python
test
this
world
```