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TABBY

A MULTIPLICATION TABLE GENERATOR APP

Prepared by

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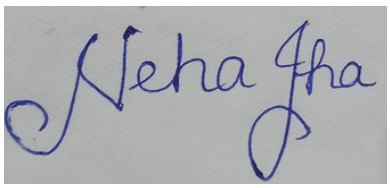
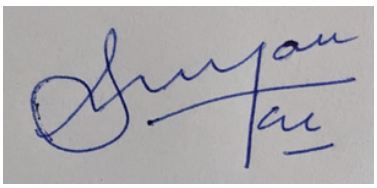
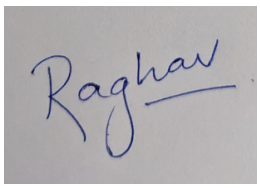
Student Declaration

This is to declare that this report has been written by me/us. No part of the report is copied from other sources. All information included from other sources has been duly acknowledged. I/We aver that if any part of the report is found to be copied, I/we are shall take full responsibility for it.







Bonafide Certificate

Certified that this project “Tabby: A multiplication table generator” is the bonafide work of “Neha Jha”, “Biradar Sai Raghav”, and “Aryan Kumar” who carried out the project work under my supervision.

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Dr Pawan Kumar Mall (28839)

Assistant Professor
School of Computer Science and Engineering

Background and objectives of the project assigned

Tabby, the multiplication table generator app, is an attempt to create mathematical awareness among students.

Apart from the core feature which is, generating multiplication table, the app has a quiz section which tries to engage the users in a mathematical challenge.

Description of Project

The core part of the project requires no additional modules, and uses classes.

We start by creating a class to hold the required attributes and methods. The juice of the project is in the *"print_table"* method. The method uses two *for loops* to accomplice the task.

Additionally, if the main file is run directly (and not imported to another file), the app prompts the user for required arguments.

Technologies and Frameworks Used

The project uses the following frameworks in some or the other way:

- PrettyTable
- PrettyPrint
- Replit

Core Project Code

```python
class MultiplicationTable:
    def __init__(self, number):
        self.number = number

    def print_table(self):
        for i in range(2, self.number + 1):
            for j in range(1, 11):
                print(f"{i} x {j} = {i*j}")
            print("")
        return

if __name__ == "__main__":
    number = int(input("Enter a number: "))
    table = MultiplicationTable(number)
    table.print_table()
```

Division of Work

Aryan Kumar

Created the core logic.

Neha Jha

Implemented styling and created report.

Biradar Sai Raghav

Helped with report creation.

Thank You