Student Productivity App (Day 1–2–3 Combo)

This project combines 3 parts of your Python practice: 1. Student Grade Checker 2. To-Do List Manager 3. Number Analyzer The code integrates them into a single console application.

```
# --- Function Definitions ---
def grade_checker():
    mark = int(input("Enter your mark: "))
    if mark >= 80:
        print("Grade: A")
    elif mark >= 70:
        print("Grade: B")
    elif mark >= 60:
        print("Grade: C")
    elif mark >= 50:
        print("Grade: D")
    else:
        print("Fail")

tasks = []
def todo_list():
    while True:
        print("\n--- To-Do List Manager ---")
        print("1. Add Task")
        print("2. View Tasks")
        print("3. Back to Main Menu")

        choice = input("Select an Option: ")
        if choice == '1':
            task = input("Enter a task: ")
            tasks.append(task)
            print("Task added.")
        elif choice == '2':
            if not tasks:
                print("No tasks in the list.")
            else:
                for i, t in enumerate(tasks, start=1):
                    print(i, "-", t)
        elif choice == '3':
            break
        else:
            print("Invalid option. Please try again.")

def number_analyzer():
    num = int(input("Enter a number: "))
    if num % 2 == 0:
        print(f"{num} is even.")
    else:
        print(f"{num} is odd.")

    if num > 0:
        print(f"{num} is positive.")
    else:
        print(f"{num} is negative.")

# --- Main Program ---
while True:
    print("\n--- Student Productivity App ---")
    print("1. Student Grade Checker")
    print("2. To-Do List Manager")
    print("3. Number Analyzer")
    print("4. Quit")

    choice = input("Select an Option: ")

    if choice == '1':
        grade_checker()
    elif choice == '2':
        todo_list()
    elif choice == '3':
        number_analyzer()
    elif choice == '4':
```

```
    print("Goodbye!")
    break
else:
    print("Invalid option. Please try again.")
```