Lab2-python

1-Write a program that asks the user for a number and prints whether it is: Positive -Negative - Zero

2-Write a program that asks for a person's age and prints:

- "Child" age < 13
- "Teenager" 13 ≤ age < 20
- "Adult" 20 ≤ age < 60
- "Senior" age ≥ 60

3-Write a program that asks the user to enter a day of the week and prints a message:

- "Start of the week" if Monday
- "Midweek" if Wednesday
- "Weekend" if Saturday or Sunday
- "Normal day" otherwise

4-Write a program that asks the user for a month (January–December) and prints how many days it has (assume February = 28).

5- print numbers from 1 to 10.

6-print numbers from 10 down to 1.

7-Write a program that prints the multiplication table of 5

8-Write a program that keeps asking the user for numbers until they enter 0, then prints the sum of all numbers entered.

9. Create a list of 5 numbers. Print the sum, maximum, and minimum.
10. Create a list of 5 fruits and print each fruit using a loop.
11. Create a tuple of 3 cities and print them one by one.
12. Try to change one element in the tuple
13. Create a set with numbers {1, 2, 2, 3, 4, 4} and print it. (Check what happens to duplicates).
14. Add a new number to the set and print it again.
15. Create a dictionary for a student with keys
16. Add a new key "major" and update its value.

Student Grades Manager

17. Asks how many students are in the class.
18. For each student, input their **name** and **grade**.
19. Store the data in a **dictionary** (`{name: grade}`).
20. Print all students with their grades.