

Q1 You have been given a Duration class to help with project management, representing the duration of tasks in days and hours. Your task is to enable addition of two Duration instances, handling the overflow of hours into days. (e.g. Adding 1 day 20 hours and 1 day 10 hours would make 3 days and 6 hours).

```
class Duration {
private:
    int days, hours;
public:
    // Constructor to initialize days and hours
    Duration(int d, int h) : days(d), hours(h) {}
    void display();
    ~Duration();
};
```

You need to code only for these questions.

- 1) Overload the '+' operator to add two Duration objects. The result should correctly manage hours exceeding 24 by converting them into days. (7)
- 2) Demonstrate its use in main function with two Duration objects, showing the total duration after addition. No need to implement display function just call it in main. (3)