

```
import java.util.Scanner;
public class StrongNumber {
    public static int factorial(int num) {
        int fact = 1;
        for (int i = 1; i <= num; i++) {
            fact *= i;
        }
        return fact;
    }
    public static boolean isStrongNumber(int number) {
        int originalNumber = number;
        int sum = 0;
        while (number > 0) {
            int digit = number % 10;
            sum += factorial(digit);
            number /= 10;
        }
        return sum == originalNumber;
    }
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int number = scanner.nextInt();
        if (isStrongNumber(number)) {
            System.out.println(number + " is a Strong number.");
        } else {
            System.out.println(number + " is not a Strong number.");
        }
    }
}
```

Question 1 Output -

Enter a number: 145

145 is a Strong number.

```
import java.util.Scanner;

public class LeapYearCheck {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter a year: ");

        int year = scanner.nextInt();

        if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {

            System.out.println(year + " is a leap year.");

        } else {

            System.out.println(year + " is not a leap year.");

        }

    }

}
```

Question 2 Output -

Enter a year: 2024

2024 is a leap year.

```
class User {
    int id;
    String name;
    public User(int id, String name) {
        this.id = id;
        this.name = name;
    }
}

class Employee extends User {
    double salary;
    public Employee(int id, String name, double salary) {
        super(id, name);
        this.salary = salary;
    }
    public double calculateAnnualSalary() {
        return salary * 12;
    }
}

public class Main {
    public static void main(String[] args) {
        Employee emp = new Employee(101, "Ajay Kumar", 5000);
        double annualSalary = emp.calculateAnnualSalary();
        System.out.println("Employee Name: " + emp.name);
        System.out.println("Employee ID: " + emp.id);
        System.out.println("Annual Salary: $" + annualSalary);
    }
}
```

Question 3 Output -

Employee Name: Ajay Kumar

Employee ID: 101

Annual Salary: \$60000.0