Combined object and array Assignment

1. Write a program to demonstrate method overloading with 3 different parameters.
2. class MethodOverloading {
3. public void property(int a) {
4. System.out.println( a);
5. System.out.println("int args method");
6. }
7. public void property(Double a) {
8. System.out.println( a);
9. System.out.println("double args method");
10. }
11. public void property(String a) {
12. System.out.println(a);
13. System.out.println("String args method");
14. }
15. public void property(int a, int b) {
16. System.out.println(a + " " + b);
17. System.out.println("int args method");
18. }
19. }
20. public class A3 {
21. public static void main(String[] args) {
22. MethodOverloading obj = new MethodOverloading();
23. obj.property(5);
24. obj.property("ankit");
25. obj.property(3.555);
26. obj.property(0, 122);
27. }
28. }

2. Write a program to create an object of an class which contain a method and call that class method in main method.

// please check the answer according to question requrements

class MethodOverloading {

    public void property(int a) {

        System.out.println( a);

        System.out.println("int args method");

    }

    public void property(Double a) {

        System.out.println( a);

        System.out.println("double args method");

    }

    public void property(String a) {

        System.out.println(a);

        System.out.println("String args method");

    }

    public void property(int a, int b) {

        System.out.println(a + " " + b);

        System.out.println("int args method");

    }

}

public class A3 {

    public static void main(String[] args) {

        MethodOverloading obj = new MethodOverloading();

        obj.property(5);

        obj.property("ankit");

        obj.property(3.555);

        obj.property(0, 122);

    }

}

3. Write a Java program to calculate the sum of all elements in an integer array?

public class A9 {

    public static void main(String[] args) {

        int a[] = { 2, 4, 6, 8 };

        int sum = 0;

        for (int i = 0; i < a.length; i++) {

            sum += a[i];

        }

        System.out.println("Sum of all elements of are : " + sum);

    }

}

// Write a Java program to calculate the sum of all elements in an integer

// array?

4. Write a Java program to find the index of a specific element in an integer array.?

public class A10 {

    public static int findIndex(int[] array, int element) {

        for (int i = 0; i < array.length; i++) {

            if (array[i] == element) {

                return i;

            }

        }

        return -1; // Element not found

    }

    public static void main(String[] args) {

        int[] numbers = {10, 20, 30, 40, 50};

        int targetElement = 30;

        int index = findIndex(numbers, targetElement);

        if (index != -1) {

            System.out.println("Element " + targetElement + " found at index " + index);

        } else {

            System.out.println("Element " + targetElement + " not found in the array.");

        }

    }

}

5. Write a Java program to print an entire array?

public class A11 {

    public static void main(String[] args) {

        int a[] = { 2, 4, 6, 8 };

        for (int i = 0; i < a.length; i++) {

            System.out.println(a[i]);

        }

    }

}

//Write a Java program to print an entire array?