1. Write a simple program that prints your name and ID. Answer:

```
public class Task1 {
    public static void main(String[] args) {
        String myName = "Samia Khan Trisha";
        int myID = 34103280;
        System.out.println("Name: " + myName);
        System.out.println("ID: " + myID);
    }
}
```

2. Create a basic calculator for addition, subtraction, multiplication, and division.

```
import java.util.Scanner;
class Task2{
   public static void main(String[] args) {
       char operator;
       Double number1, number2, result;
       Scanner input = new Scanner(System.in);
       System.out.println("Choose task: 1
      operator = input.next().charAt(0);
       System.out.println("Enter first number");
       number1 = input.nextDouble();
      number2 = input.nextDouble();
       switch (operator) {
          case '1':
result);
result);
               result = number1 * number2;
               result = number1 / number2;
result);
           default:
               System.out.println("Invalid operator!");
       input.close();
```

3. Create a program that finds the maximum and minimum values in an array of Integers.

```
Answer:
```

```
import java.util.Arrays;
oublic class Task3 {
                 void max min(int my array[]) {
          (int i = 1; i < len - 1; i += 2) {
                  (my array[i] > max) max = my array[i];
                     (my array[i + 1] < min) min = my array[i + 1];
                     (my array[i] < min) min = my_array[i];</pre>
                                              Arrays.toString(my array));
4. Write a program that can print a "Chessboard" like below:
10101010
01010101
10101010
01010101
10101010
01010101
10101010
01010101
```

Here,

1 represents black squares 0 represents white squares

Answer:

5. Create a program that finds the sum of 0 to n. Answer:

```
import java.util.Scanner;
public class Task5 {
    public int sumUpToN(int n) {
        int sum = 0;
        for (int i = 1; i <= n; i++) {
            sum += i;}
        return sum; }

    public static void main(String[] args) {
        Task5 task = new Task5();
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a value for n: ");
        int n = scanner.nextInt();
        int sum = task.sumUpToN(n);
        System.out.println("Sum of integers from 1 to " + n + " is: " + sum);
        scanner.close();</pre>
```