Group Q
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```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change
this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
 */
package decisionmakingstatements;
import java.util.Scanner;
/**
 *
 * @author 20S01ABED072
 */
public class Decisionmakingstatements {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        //Exercise I
        int num1;
        int num2;
        Scanner input = new Scanner(System.in);
        System.out.println("Input the first number which is between 0 and 50");
        num1 = input.nextInt();
        System.out.println("Input the second number which is between 0 and 50");
        num2 = input.nextInt();
        int sum;
        sum = num1 + num2;
        if(sum>20)
        {
            System.out.println("The sum is greater than twenty");
        }
      //Exercise II
      if(sum>50&sum<100)
        {
            System.out.println("The sum is greater than 50 and less than 100");
        }
      else

      {
         System.out.println("The sum is not a value between 50 and 100");
      }
      //Exercise3
      //use of nested if else statement
      if(sum>=80&sum<=100)
```

```
    {
        System.out.println("A");
    }
  else if(sum>=60&sum<=79){
    System.out.println("B");
  }
  else if(sum>=40&sum<=59){
    System.out.println("C");
  }
  else{
    System.out.println("F");
  }
  //Exercise IV
  //Ternary operator
  int max;
  //The largest among num1 and num2
  max = (num1>num2) ? num1:num2;
  //Print the largest number
  System.out.println("The maximum value is = "+max);


 }

}
```

The Screenshot of the output