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Driver Code:

```
public class exam {
    int Evaluation(int[]arr)
    {
        int passed = 0;
        int failed = 0;
        int currentStudent = 0;
        while(currentStudent < 10)
        {
            if(arr[currentStudent] == 1)
            {
                passed = passed + 1;
            }

            else
            {
                failed = failed + 1;
            }
            currentStudent = currentStudent + 1;
        }
        if(passed > 8)
        {
            System.out.println("Bonus to the instructor");
        }
        return passed;
    }
}
```

Test cases:

```
import org.junit.jupiter.api.*;

class ExamTest {
    exam fst;
    @Test
    @BeforeEach
    void init()
    {
        fst = new exam();
    }

    @Test
    void test()
    {

```

```
        int output = fst.Evaluation(new int[]{1, 1, 1, 1, 1, 1, 1, 1, 1, 1});
        Assertions.assertEquals(output, 10 );
    }
    @Test
    void test1(){
        int output = fst.Evaluation(new int[]{1, 1, 1, 1, 1, 1, 1, 1, 1, 2});
        Assertions.assertEquals(output, 9 );
    }
    @Test
    void test2(){

        int c2 = fst.Evaluation(new int[]{1, 1, 1, 1, 1, 1, 1, 1, 2, 1});
        Assertions.assertEquals(c2, 8 );
    }
    @Test
    void test3(){

        int output = fst.Evaluation(new int[]{1, 1, 1, 1, 1, 1, 1, 2, 2, 2});
        Assertions.assertEquals(output, 7);
    }
    @Test
    void test4(){

        int output = fst.Evaluation(new int[]{2, 2, 2, 2, 1, 1, 1, 1, 1, 1});
        Assertions.assertEquals(output, 6);
    }
    @Test
    void test5(){
        int output = fst.Evaluation(new int[]{1, 1, 1, 1, 1, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 5 );
    }
    @Test
    void test6(){

        int output = fst.Evaluation(new int[]{2, 1, 1, 1, 2, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 3 );
    }
    @Test
    void test7(){
        int output = fst.Evaluation(new int[]{1, 2, 1, 2, 2, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 2 );
    }
    @Test
    void test8(){
```

```
        int output = fst.Evaluation(new int[]{1, 1, 2, 2, 2, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 2 );
    }
    @Test
    void test9(){

        int output = fst.Evaluation(new int[]{1, 2, 2, 2, 2, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 1 );
    }
    @Test
    void test10(){
        int output = fst.Evaluation(new int[]{2, 2, 2, 2, 2, 2, 2, 2, 2, 2});
        Assertions.assertEquals(output, 1 );
    }
}
```

Output of Test Cases:

Class ExamTest

all > default-package > ExamTest

12

tests

2

failures

0

ignored

0.027s

duration

83%

successful

- Failed tests
- Tests
- Standard output

Test	Duration	Result
init()	0.001s	passed
test()	0.003s	passed
test1()	0s	passed
test10()	0.018s	failed
test2()	0.001s	failed
test3()	0.001s	passed
test4()	0.001s	passed
test5()	0s	passed
test6()	0.001s	passed
test7()	0s	passed
test8()	0.001s	passed
test9()	0s	passed