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Section:6-B

QUIZ 2

Program Code

```java
public class result {

    int marking(int[]arr)
    {
        int passed = 0; int failed = 0;
        int count = 0;
        while(count < 10)
        {
            if(arr[count] == 1)
            {
                passed = passed + 1;
            }
            else
            {
                failed = failed + 1;
            }
            count = count + 1;
        }
        if(passed > 8)
        {
            System.out.println("Bonus to instructor");
            System.out.println("Passed Students=" + passed);
            System.out.println("Failed Students=" + failed);

        }
        else
        {
            System.out.println("No Bonus");
            System.out.println("Passed Students=" + passed);
            System.out.println("Failed Students=" + failed);

        }
        return passed;
    }
}
```

Test Code

```java
import org.junit.jupiter.api.Assertions;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
import java.util.Scanner;

class testcasesQUIZ {

    Scanner s = new Scanner(System.in);
    result Myresult;
    @Test
    @BeforeEach



    void constr()
    {
        Myresult= new result();
    }

    int arr[]=new int[10];
    @Test
    void check()
    {System.out.println("Input Evaluation Scores");
        for(int i=0;i<10;i++)
        {//for reading array
        arr[i]=s.nextInt();

    }
        int res = Myresult.marking(arr);
        Assertions.assertEquals(res,10);

    }

    @Test
    void check1()
    {System.out.println("Input Evaluation Scores");
        for(int i=0;i<10;i++)
        {//for reading array
        arr[i]=s.nextInt();

    }
        int res = Myresult.marking(arr);
        Assertions.assertEquals(res,10);

    }

    @Test
    void check2()
```

```java
{System.out.println("Input Evaluation Scores");
    for(int i=0;i<10;i++)
    {//for reading array
    arr[i]=s.nextInt();

}
    int res = Myresult.marking(arr);
    Assertions.assertEquals(res,10);

}

@Test
void check3()
{System.out.println("Input Evaluation Scores");
    for(int i=0;i<10;i++)
    {//for reading array
    arr[i]=s.nextInt();

}
    int res = Myresult.marking(arr);
    Assertions.assertEquals(res,10);

}

@Test
void check4()
{System.out.println("Input Evaluation Scores");
    for(int i=0;i<10;i++)
    {//for reading array
    arr[i]=s.nextInt();

}
    int res = Myresult.marking(arr);
    Assertions.assertEquals(res,10);

}
}
```

OUTPUT

```
Input Evaluation Scores

1
1
1
1
1
1
1
1
1
1
Bonus to instructor
Passed Students=10
Failed Students=0
Input Evaluation Scores
2
2
1
1
2
2
1
1
1
1
No Bonus
Passed Students=6
Failed Students=4
Input Evaluation Scores
1
2
1
1
1
2
2
1
1
1
No Bonus
Passed Students=7
Failed Students=3
Input Evaluation Scores
1
1
1
1
1
1
1
2
1
2
No Bonus
Passed Students=8
Failed Students=2
Input Evaluation Scores
1
1
1
1
1
1
1
1
2
1
Bonus to instructor
Passed Students=9
Failed Students=1
```
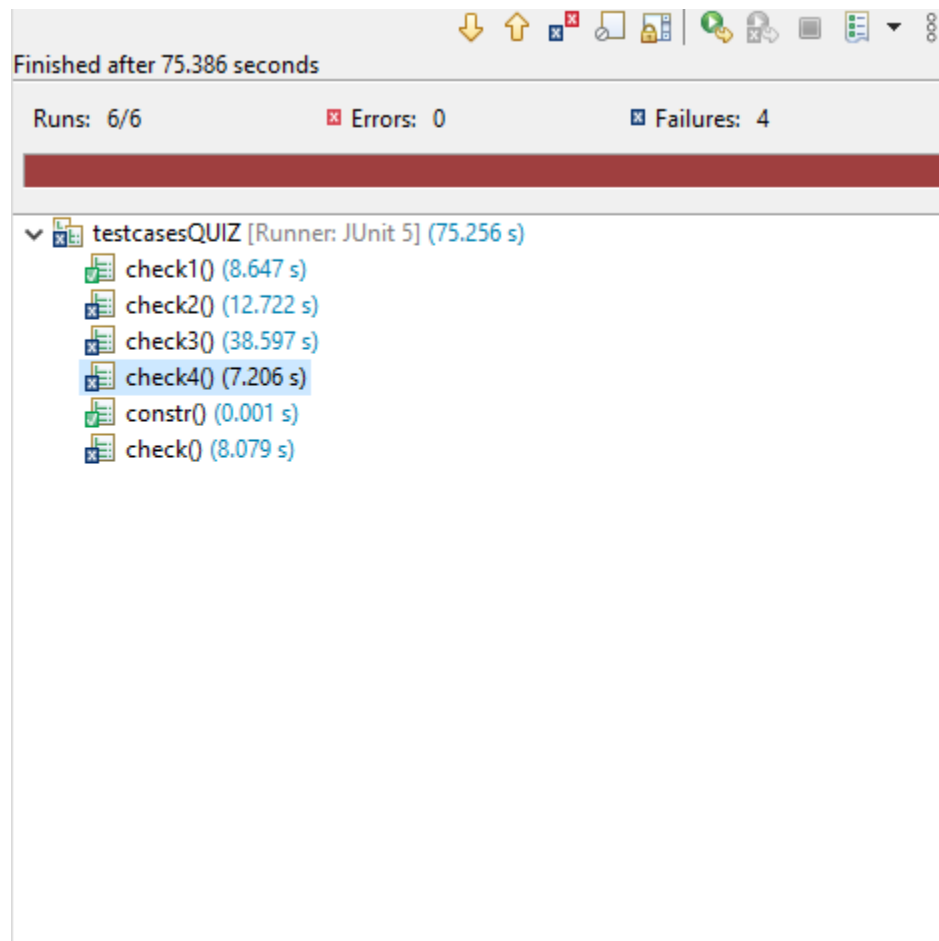
Test Report

Finished after 75.386 seconds

Runs: 6/6   ☒ Errors: 0   ☒ Failures: 4

- ∨ testcasesQUIZ [Runner: JUnit 5] (75.256 s)
  - check1() (8.647 s)
  - check2() (12.722 s)
  - check3() (38.597 s)
  - check4() (7.206 s)
  - constr() (0.001 s)
  - check() (8.079 s)