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Section:6-B

QUIZ 2

Program Code

```
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

```
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()
```

```

        {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
1
1

Bonus to instructor
Passed Students=10
Failed Students=0
Input Evaluation Scores

2
2
1
1
1
2
2
1
1
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
1
1

No Bonus
Passed Students=7
Failed Students=3
Input Evaluation Scores

1
1
1
1
1
1
1
1
2
1
1
2

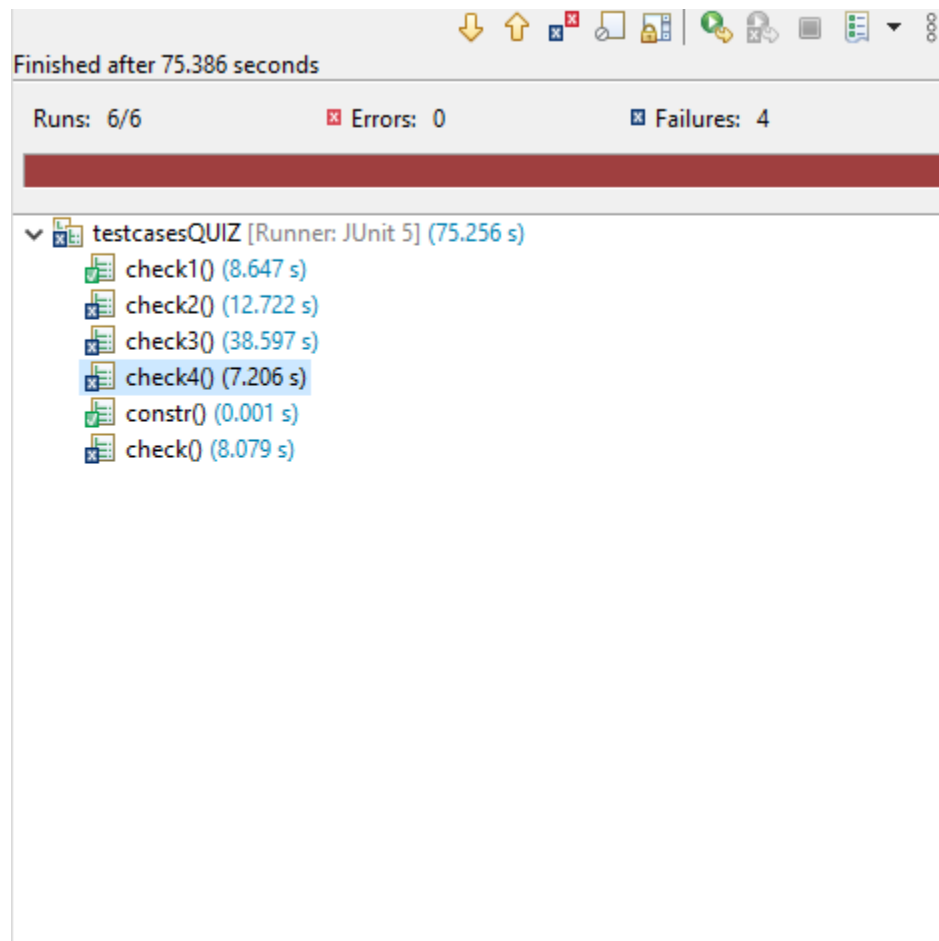
No Bonus
Passed Students=8
Failed Students=2
Input Evaluation Scores

1
1
1
1
1
1
1
1
1
2
1
1

Bonus to instructor
Passed Students=9
Failed Students=1

|

Test Report



The image shows a screenshot of a test report window. At the top, there is a toolbar with various icons for navigation and actions. Below the toolbar, the text "Finished after 75.386 seconds" is displayed. A summary bar shows "Runs: 6/6", "Errors: 0", and "Failures: 4". A red progress bar is visible below the summary. The main content area shows a tree view of test cases. The "testcasesQUIZ" folder is expanded, showing a list of test methods with their execution times. The "check4()" method is highlighted in blue.

| Test Case | Execution Time (s) |
|-----------|--------------------|
| check1() | 8.647 |
| check2() | 12.722 |
| check3() | 38.597 |
| check4() | 7.206 |
| constr() | 0.001 |
| check() | 8.079 |