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Kelas : J4

Praktikum: pemrograman berorientasi objek

Tugas praktikum ke1

1. Buatlah program menghitung rata-rata deret bilangan 1,2,4,7,11,16, N.
jawab :

```
Package menghitungNilaiRataDeret;
```

```
Import java.util.*;
```

```
Public class MenghitungNilaiRataDeret {
```

```
Stack<Integer> dataDeret = new Stack<Integer>();
```

```
protected int dataTotalDeret = 0;
```

```
public void generateDataDeret (int batasBil) {
```

```
for (int a=1; b=1; a< batasBil; a=a+b++) {
```

```
    this.dataDeret.push(a);
```

```
}
```

```
}
```

```
public void dataTotalDeret () {
```

```
for (int i=0; i< this.dataDeret.size(); i++) {
```

```
    this.dataTotalDeret = this.dataTotalDeret + this.dataDeret.get(i);
```

```
}
```

```
}
```

```
public void totalRataRata () {
```

```
    System.out.println (" Data Bilangan : " + this.dataDeret);
```

```
    System.out.println (" Total Bilangan : " + this.dataTotalDeret);
```

```
    System.out.println (" Rata - Rata : " + ((float) this.dataTotalDeret /  
    this.dataDeret.size()));
```

```
}
```

```
public static void main (String[] args) {
```

```
    Scanner sc = new Scanner (System.in);
```

```
    System.out.print (" [?] masukkan bilangan : ");
```

```
    int batasBil = sc.nextInt();
```

```

menghitungNilaiRata2Deret Classprogram : new MenghitungNilaiRata2Deret ();
classprogram.generateDataDeret (batas Bil);
class program . dataTotalDeret ();
class program . totalRataRata ();

```

Output - MenghitungNilaiRata2Deret (run)

```

run:
[+] Masukan Bilangan : 100
Data Bilangan : [1, 2, 4, 7, 11, 16, 22, 29, 37, 46, 56, 67, 79, 92]
Total Bilangan : 469
Rata - Rata : 33.5
BUILD SUCCESSFUL (total time: 2 seconds)

```

2. Buat Program mengubah ke uppercase dan menghitung jumlah huruf pada

```

Package mengubahuppercase.Count
import java.util.*;

```

```

public class MengubahUppercaseCount {
    protected String[] arraykalimat;

```

```

    public void splitkalimat - 1461900333 (String inputkalimat) {
        this.arraykalimat = inputkalimat.split(" ");
    }

```

```

    public void menghitungkata - 1461900333 () {
        System.out.println ("frekuensi dari : ");
        for (int i = 0; i < this.arraykalimat.length; i++) {
            System.out.println (arraykalimat[i].toUpperCase() + " \t\t " +
                arraykalimat[i].length());
        }
    }

```

```

    public static void main (String[] args) {
        Scanner se = new Scanner (System.in);
        System.out. print (" [t] masukan kalimat ");
    }

```


String inputkalimat = sc.nextLine();

mengubahUppercaseCount classprogram = new mengubahUppercaseCount();
classprogram.splitkalimat = 1461900333 (inputkalimat);
classprogram.menghitungkata = 1461900333 ();

Output - MengubahUppercaseCount (run)



run:



[+] Masukan Kalimat : aku suka dia



Frequensi dari :



AKU 3

SUKA 4

DIA 3

BUILD SUCCESSFUL (total time: 8 seconds)