

## Problem 2 : Konversi Nilai

Source Code :

```
public class ValueConvert {  
    public static void main (String []args){  
  
        Scanner scanner = new Scanner(System.in);  
        System.out.println("Berapa Nilai Kamu : ? ");  
  
        String nilaiDalamString = scanner.nextLine();  
        int nilaiDalamInt =Integer.parseInt(nilaiDalamString);  
  
        if ((nilaiDalamInt >=80) && (nilaiDalamInt<=100)) {  
            System.out.println("A");  
        }else if ((nilaiDalamInt>=65) && (nilaiDalamInt<=79)) {  
            System.out.println("B+");  
        }else if ((nilaiDalamInt>=50) && (nilaiDalamInt <=64)) {  
            System.out.println("C");  
        }else if ((nilaiDalamInt>=35) && nilaiDalamInt <=49) {  
            System.out.println("D");  
        }else if ((nilaiDalamInt >=0) && (nilaiDalamInt<=34)) {  
            System.out.println("E");  
        }else {  
            System.out.println("Silakan input Nilai lain !!");  
        }  
    }  
}
```

Output :

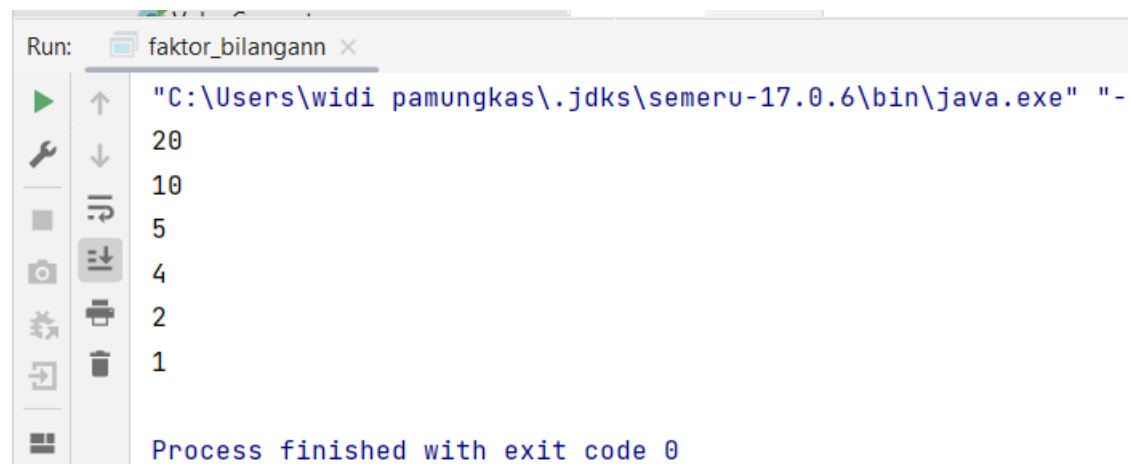
```
"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin  
Berapa Nilai Kamu : ?  
34  
E
```

### Problem 3 : Faktor Bilangan

Source Code :

```
1
2 ▶ public class faktor_bilangann {
3 ▶   public static void main (String[] args) {
4       int bil=20;
5       int i=1;
6       int p =0;
7
8       for (i=bil;i<=bil; i--){
9           if((i>0) && bil % i == p )
10               System.out.println(i);
11       }
12   }
13 }
14
15
```

Output :



```
Run: faktor_bilangann x
"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin\java.exe" "-
20
10
5
4
2
1
Process finished with exit code 0
```

#### Problem 4 : Bilangan Prima

Source Code :

```
1 package function;
2
3 public class primeNumber {
4
5     1 usage
6     public static boolean isPrime (int num) {
7         if (num <= 2) {
8             return false;
9         }
10        for (int i=2; i<=Math.sqrt(num); i++){
11            if (num%i==0){
12                return false;
13            }
14        }
15        return true;
16    }
17
18    public static void main(String[] args) {
19        System.out.println(isPrime( num: 13));
20    }
21 }
```

Output :

```
Run: primeNumber x
"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin\java.exe"
true
Process finished with exit code 0
```

```
Run: primeNumber x
"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin\java.exe"
false
Process finished with exit code 0
```

## Problem 5 : Palindrome

Source Code :

```
package function;

public class palindromeTest {

    1 usage
    public static boolean palindrome(char[] kata){
        boolean palindrom = false;
        if(kata.length%2 == 0){
            for(int i = 0; i < kata.length/2-1; i++){
                if(kata[i] != kata[kata.length-i-1]){
                    return false;
                }else{
                    palindrom = true;
                }
            }
        }else{
            for(int i = 0; i < (kata.length-1)/2-1; i++){
                if(kata[i] != kata[kata.length-i-1]){
                    return false;
                }else{
                    palindrom = true;
                }
            }
        }
    }
}
```

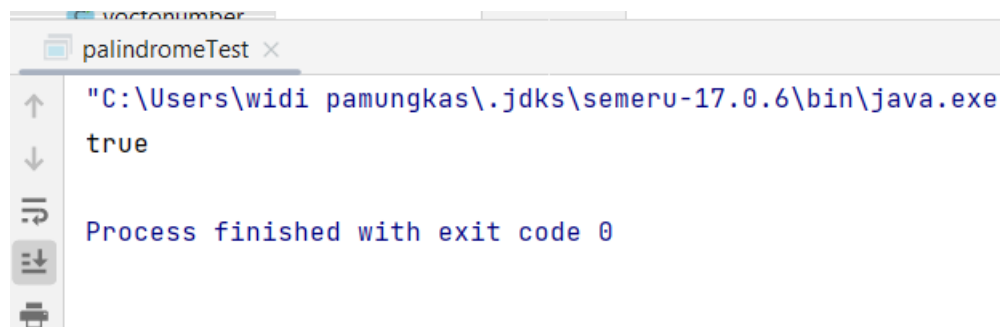
```

        palindrom = true;
    }
}
}else{
    for(int i = 0; i < (kata.length-1)/2-1; i++){
        if(kata[i] != kata[kata.length-i-1]){
            return false;
        }else{
            palindrom = true;
        }
    }
}
return palindrom;
}

public static void main(String[] args) {
    String kata = "civic";
    char[] cetakKata = kata.toCharArray();
    System.out.println(palindrome(cetakKata));
}
}

```

Output :



```

"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin\java.exe
true
Process finished with exit code 0

```

Problem : 6 Draw XYZ

Source Code :

```
import java.util.Scanner;

class drawxyz {
    public static void main(String args[]) {

        Scanner input = new Scanner(System.in);

        int tinggi, i, j;

        System.out.print("Input tinggi : ");
        tinggi = input.nextInt();

        System.out.println();

        for (j = 1; j <= tinggi*tinggi; j++) {

            if (j % 2 != 0 && j % 3 != 0) {
                System.out.print("Y");
                if (j%tinggi==0){
                    System.out.println();
                }
            }
            if (j % 2 == 0 && j % 3 != 0) {
                System.out.print("Z");
                if (j%tinggi==0){
                    System.out.println();
                }
            }

            if (j % 3 == 0) {
                System.out.print("X");
                if (j%tinggi==0){
                    System.out.println();
                }
            }

        }

    }
}
```

Output :

```
drawxyz x
"C:\Users\widi pamungkas\.jdk\semeru-17.0.6\bin\java.exe" "-javaagent:C:\
Input tinggi : 5

YZXZY
XYZXZ
YXYZX
ZYXYZ
XZYXY

Process finished with exit code 0
```

Problem 7 : Mean

Source Code :

```
package function;

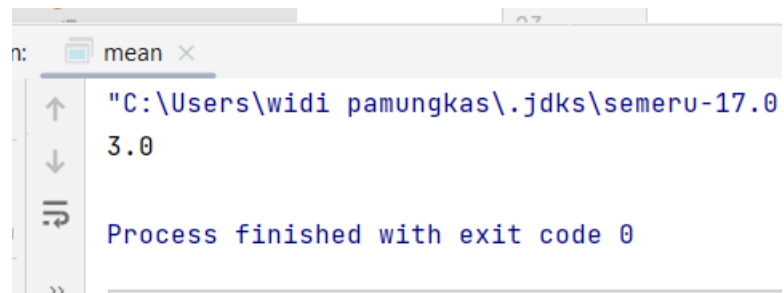
public class mean {

    public static void main(String[] args) {

        float hasilMean;
        float sum=0;
        hasilMean = mean((float) sum);
        System.out.println(hasilMean);
    }

    1 usage
    public static float mean(float sum) {
        int value[] = {1, 2, 3, 4, 5};
        float n = value.length;
        for (int i = 0; i < n; i++) {
            sum += value[i]/((float)n);
        }
        return sum;
    }
}
```

Output :



The screenshot shows a terminal window with a tab labeled 'mean'. The terminal output is as follows:

```
n: "C:\Users\widi pamungkas\.jdk\semeru-17.0
3.0
Process finished with exit code 0
```

The terminal interface includes standard navigation icons (up, down, search, etc.) on the left side of the text area.