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Activity 3.2

Code TestMethod.java

public class TestMethod {

    public static int getRandomNumber() {

        return (int)((Math.random()\*100)+1);

    }

    public static double getAbsoluteValue(double value) {

        if(value < 0) return -value;

        else return value;

    }

    public static int getFactorial(int n) {

        if(n > 1) return n\*getFactorial(n-1);

        else return 1;

    }

    public static String getWeatherForecast() {

        String[] day = {"today", "tomorrow", "the day after tomorrow"};

        int a = (int)(Math.random()\*3);

        String[] weather = {"sunny", "cloudy", "rainy", "snowy"};

        int b = (int)(Math.random()\*4);

        return day[a] + " will be " + weather[b];

    }

    public static String getRandomMessage(String name) {

        String[] greet = {"Good morning ", "Good afternoon ", "Good night "};

        int c = (int)(Math.random()\*3);

        return greet[c] + name;

    }

    public static boolean isEvenNumber(int value) {

        if(value%2 == 0) return true;

        else return false;

    }

    public static double getMinValue(double a, double b) {

        if(a < b) return a;

        else return b;

    }

    public static boolean isSameAbsoluteValue(int i, int j) {

        if(i==j || i==-j || -i==j) return true;

        else return false;

    }

    public static void getMessage(String name, boolean isKid) {

        if(isKid == false) System.out.println("Halo Pak " + name);

        else System.out.println("Halo Dek " + name);

    }

    public static double getSum(double a, double b, double c) {

        return a+b+c;

    }

    public static double getAverage(double a, double b, double c) {

        return (a+b+c)/3;

    }

    public static void main(String[] args) {

        System.out.println(getRandomNumber());

        System.out.println(getAbsoluteValue(-0.398));

        System.out.println(getFactorial(6));

        System.out.println(getWeatherForecast());

        System.out.println(getRandomMessage("Aji"));

        System.out.println(isEvenNumber(5));

        System.out.println(getMinValue(3, 3));

        System.out.println(isSameAbsoluteValue(-4, 4));

        getMessage("Andre", false);

        System.out.println(getSum(0.3243, -1.8212, 100));

        System.out.println(getAverage(0.3243, -1.8212, 100));

    }

}

Hasil:

