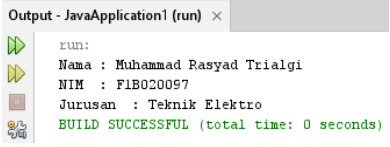
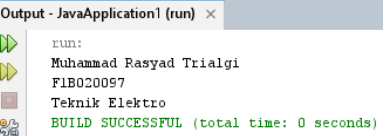








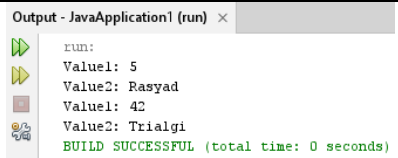
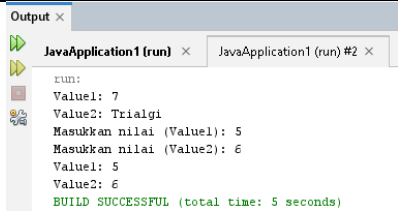


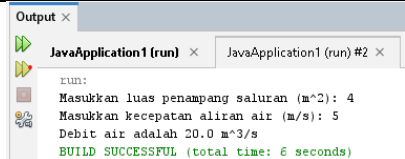
Nama : Muhammad Rasyad Trialgi
 NIM : F1B020097
 Kelompok : 4

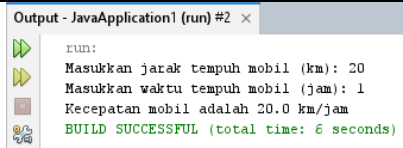
Jobsheet P3





| NO | Kegiatan | Script | Hasil Running |
|----|---|---|---|
| 1 | Method constructor membuat constructor tanpa parameter | <pre>package P3; class Mahasiswa{ String nama; String nim; String jurusan; Mahasiswa(){ System.out.println("Nama : Muhammad Rasyad Trialgi"); System.out.println("NIM : F1B020097"); System.out.println("Jurusan : Teknik Elektro"); } } public class cstanpaparameter{ public static void main (String[]args){ Mahasiswa mahasiswa1 = new Mahasiswa(); } }</pre> |  <p>Output - JavaApplication1 (run) ×</p> <p>run: Nama : Muhammad Rasyad Trialgi NIM : F1B020097 Jurusan : Teknik Elektro BUILD SUCCESSFUL (total time: 0 seconds)</p> |
| 2 | Method constructor membuat constructor dengan parameter | <pre>package P3; class Mahasiswa{ String nama; String nim; String jurusan; Mahasiswa(String inputNama, String inputNIM, String inputJurusan){ nama = inputNama; nim = inputNIM; jurusan = inputJurusan; } } public class cstanpaparameter{ public static void main (String[]args){ Mahasiswa mahasiswa1 = new Mahasiswa("Muhammad Rasyad Trialgi", "F1B020097", "Teknik Elektro"); System.out.println(mahasiswa1.nama); System.out.println(mahasiswa1.nim); System.out.println(mahasiswa1.jurusan); } }</pre> |  <p>Output - JavaApplication1 (run) ×</p> <p>run: Muhammad Rasyad Trialgi F1B020097 Teknik Elektro BUILD SUCCESSFUL (total time: 0 seconds)</p> |

| | | | |
|---|---|---|---|
| | | <pre> } } </pre> | |
| 3 | Method constructor parameter yang berbeda | <pre> package P3; class Mahasiswa{ String nama; String nim; String jurusan; int nilai; Mahasiswa(String inputNama, String inputNIM, String inputJurusan, int inputNilai){ nama = inputNama; nim = inputNIM; jurusan = inputJurusan; nilai = inputNilai; } } public class cstanpaparameter{ public static void main (String[] args){ Mahasiswa mahasiswa1 = new Mahasiswa("Muhammad Rasyad Trialgi", "F1B020097", "Teknik Elektro", 90); System.out.println(mahasiswa1.nama); System.out.println(mahasiswa1.nim); System.out.println(mahasiswa1.jurusan); System.out.println(mahasiswa1.nilai); } } </pre> | <div>Output - JavaApplication1 (run) ×</div>     <pre> run: Muhammad Rasyad Trialgi F1B020097 Teknik Elektro 90 BUILD SUCCESSFUL (total time: 0 seconds) </pre> |
| 4 | Method constructor gabungan | <pre> package P3; class Mahasiswa{ String nama; String nim; String jurusan; Mahasiswa(String inputNama, String inputNIM, String inputJurusan){ nama = inputNama; nim = inputNIM; jurusan = inputJurusan; } void ksi(){ System.out.println(nama + "\n" + nim + "\n" + jurusan + "\n" + "Nilai KSI : 90"); } void kjk(){ </pre> | <div>Output - JavaApplication1 (run) ×</div>     <pre> Muhammad Rasyad Trialgi F1B020097 Teknik Elektro Nilai KSI : 90 Nilai KJK : 85 BUILD SUCCESSFUL (total time: 0 seconds) </pre> |

| | | | |
|---|--|--|--|
| | | <pre> System.out.println("Nilai KJK : 85"); } } public class cstanpaparameter{ public static void main (String[]args){ Mahasiswa mahasiswa1 = new Mahasiswa("Muhammad Rasyad Trialgi", "F1B020097", "Teknik Elektro"); mahasiswa1.ksi(); mahasiswa1.kjk(); } } </pre> | |
| 5 | Method constructor dengan 2 constructor | <pre> package P3; public class MyClass { private int value1; private String value2; public MyClass() { value1 = 5; value2 = "Rasyad"; } public MyClass(int v1, String v2) { value1 = v1; value2 = v2; } public void displayValues() { System.out.println("Value1: " + value1); System.out.println("Value2: " + value2); } public static void main(String[] args) { MyClass obj1 = new MyClass(); obj1.displayValues(); MyClass obj2 = new MyClass(42, "Trialgi"); obj2.displayValues(); } } </pre> |  <pre> Output - JavaApplication1 (run) x run: Value1: 5 Value2: Rasyad Value1: 42 Value2: Trialgi BUILD SUCCESSFUL (total time: 0 seconds) </pre> |
| 6 | Method constructor dengan 2 constructor (input secara dinamis) | <pre> import java.util.Scanner; public class MyClass { private int value1; private String value2; public MyClass(int v1, String v2) { value1 = v1; value2 = v2; } } </pre> |  <pre> Output x JavaApplication1 (run) x JavaApplication1 (run) #2 x run: Value1: 7 Value2: Trialgi Masukkan nilai (Value1): 5 Masukkan nilai (Value2): 6 Value1: 5 Value2: 6 BUILD SUCCESSFUL (total time: 5 seconds) </pre> |

| | | | |
|---|---|--|--|
| | | <pre> public MyClass() { Scanner scanner = new Scanner(System.in); System.out.print("Masukkan nilai (Value1): "); int input1 = scanner.nextInt(); scanner.nextLine(); System.out.print("Masukkan nilai (Value2): "); String input2 = scanner.nextLine(); value1 = input1; value2 = input2; } public void displayValues() { System.out.println("Value1: " + value1); System.out.println("Value2: " + value2); } public static void main(String[] args) { MyClass obj1 = new MyClass(7, "Trialgi"); obj1.displayValues(); MyClass obj2 = new MyClass(); obj2.displayValues(); } } </pre> | |
| 7 | Method constructor dengan perhitungan debit air secara dinamis) | <pre> import java.util.Scanner; public class DebitAirCalculator { private double debitAir; public DebitAirCalculator(double luasPenampang, double kecepatanAliran) { debitAir = luasPenampang * kecepatanAliran; } public double getDebitAir() { return debitAir; } public static void main(String[] args) { Scanner scanner = new Scanner(System.in); System.out.print("Masukkan luas penampang saluran (m^2): "); double luasPenampang = scanner.nextDouble(); </pre> |  <p>Output x</p> <p>JavaApplication1 (run) x JavaApplication1 (run) #2 x</p> <p>run:</p> <p>Masukkan luas penampang saluran (m²): 4 Masukkan kecepatan aliran air (m/s): 5 Debit air adalah 20.0 m³/s BUILD SUCCESSFUL (total time: 6 seconds)</p> |

| | | | |
|---|---|---|--|
| | | <pre> System.out.print("Masukkan kecepatan aliran air (m/s): "); double kecepatanAliran = scanner.nextDouble(); DebitAirCalculator calculator = new DebitAirCalculator(luasPenampang, kecepatanAliran); double debitAir = calculator.getDebitAir(); System.out.println("Debit air adalah " + debitAir + " m^3/s"); } } </pre> | |
| 8 | Method constructor dengan perhitungan (menghitung kecepatan mobil secara dinamis) | <pre> import java.util.Scanner; public class KecepatanMobilCalculator { private double kecepatan; public KecepatanMobilCalculator(double jarakTempuh, double waktuTempuh) { kecepatan = jarakTempuh / waktuTempuh; } public double getKecepatan() { return kecepatan; } public static void main(String[] args) { Scanner scanner = new Scanner(System.in); System.out.print("Masukkan jarak tempuh mobil (km): "); double jarakTempuh = scanner.nextDouble(); System.out.print("Masukkan waktu tempuh mobil (jam): "); double waktuTempuh = scanner.nextDouble(); KecepatanMobilCalculator calculator = new KecepatanMobilCalculator(jarakTempuh, waktuTempuh); double kecepatan = calculator.getKecepatan(); System.out.println("Kecepatan mobil adalah " + kecepatan + " km/jam"); } } </pre> |  <p>Output - JavaApplication1 (run) #2 ×</p> <p>run:</p> <pre> Masukkan jarak tempuh mobil (km): 20 Masukkan waktu tempuh mobil (jam): 1 Kecepatan mobil adalah 20.0 km/jam BUILD SUCCESSFUL (total time: 6 seconds) </pre> |

| | | | |
|---|--|--|--|
| 9 | Method constructor perhitungan (menghitung energi potensial secara dinamis) | <pre> import java.util.Scanner; public class EnergiPotensialCalculator { private double energiPotensial; public EnergiPotensialCalculator(double massa, double ketinggian, double gravitasi) { energiPotensial = massa * gravitasi * ketinggian; } public double getEnergiPotensial() { return energiPotensial; } public static void main(String[] args) { Scanner scanner = new Scanner(System.in); System.out.print("Masukkan massa benda (kg): "); double massa = scanner.nextDouble(); System.out.print("Masukkan ketinggian (m): "); double ketinggian = scanner.nextDouble(); System.out.print("Masukkan percepatan gravitasi (m/s^2): "); double gravitasi = scanner.nextDouble(); EnergiPotensialCalculator calculator = new EnergiPotensialCalculator(massa, ketinggian, gravitasi); double energiPotensial = calculator.getEnergiPotensial(); System.out.println("Energi potensial adalah " + energiPotensial + " joule"); } } </pre> | <div> Output - JavaApplication1 (run) #2 </div> <div>     </div> <pre> run: Masukkan massa benda (kg): 50 Masukkan ketinggian (m): 5 Masukkan percepatan gravitasi (m/s^2): 3 Energi potensial adalah 750.0 joule BUILD SUCCESSFUL (total time: 14 seconds) </pre> |
|---|--|--|--|