LAPORAN JOBSHEET 1

MATKUL PRAKTIKUM PEMOGRAMAN BERBASIS OBJEK



DOSEN PEMBIMBING

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PRODI D4-TEKNIK INFORMATIKA

LINK GITHUB : https://github.com/ahmaddzulfadhlihannan/Praktikum-PBO-Semester-3/tree/main/minggu1

Foto

Atribut dan Method

1. Kipas Dinding

A fan on a wall

Description automatically generated

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| KipasDinding |
| * Merk:String * Level:int |
| * Kurangi kecepatan(decrement:int):void * Tambah level(increment:int):void * Info():void |
| Kode Program  Class :  /\*  \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  \*/  /\*\*  \*  \* @author ahmad  \*/  public class kipasDinding {  String merk;  int level;  public kipasDinding(String merk) {  this.merk = merk;  level = 0;  }    public void kurangiKecepatan(int decrement){  level -= decrement;  }    public void tambahLevel(int increment) {  level += increment;  }    public void info() {  System.out.println("Merk kipas dinding" + merk);  System.out.println("Level kecepatan kipas saat ini : " + level);  }    }  Main :  System.out.println("---Kipas Dinding---");  kipasDinding kipas1 = new kipasDinding("Maspion f300");  kipas1.info();  kipas1.tambahLevel(2);  kipas1.info();  kipas1.kurangiKecepatan(1);  kipas1.info(); |
| Running : |

1. Magiccom

A white container with a handle

Description automatically generated

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| Magiccom |
| * Merk:String * Mode:boolean |
| * Mode warm():void * Mode cook():void * Info() :void |
| Kode Program  Class :  /\*  \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  \*/  /\*\*  \*  \* @author ahmad  \*/  public class magiccom {  String merk;  boolean mode;  public magiccom(String merk) {  this.merk = merk;  mode = false;  }    public void modeWarm() {  mode = false;  }    public void modeCook() {  mode = true;  }    public void info() {  System.out.println("Merk magiccom : " + merk);  String mod = mode ? "Cook" : "Warm";  System.out.println("Mode magiccom saat ini : " + mod);  }      }  Main :  // MAGICCOM  System.out.println("---Magiccom---");  magiccom magiccom1 = new magiccom("Cosmos j2 prime");  magiccom1.info();  magiccom1.modeCook();  magiccom1.info();  magiccom1.modeWarm();  magiccom1.info(); |
| Running : |

1. Motor

A red scooter with a helmet on the top

Description automatically generated

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| Motor |
| * Merk:String * Cc:int * Kecepatan:int * Tekanan angin:int |
| * Set kecepatan(kecepatan:int):void * Tambah tekanan angin(increment:int):void * Info():void |
| Kode Program  Class :  /\*  \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  \*/  /\*\*  \*  \* @author ahmad  \*/  public class motor {  String merk;  int cc, kecepatan, tekananAngin;    public motor(){    }  public motor(String merk, int cc) {  this.merk = merk;  this.cc = cc;  kecepatan = 0;  tekananAngin = 0;  }  public void setKecepatan(int kecepatan) {  this.kecepatan = kecepatan;  }  public void tambahTekananAngin(int increment) {  tekananAngin += increment;  }    public void info() {  System.out.println("Merk motor : " + merk);  System.out.println("CC motor : " + cc + "CC");  String temp;  if (cc >= 1000) {  temp = "Sangat cepat";  } else if (cc >= 500) {  temp = "Cepat";  } else if (cc >= 150) {  temp = "Standar";  } else {  temp = "Lambat";  }  System.out.println("Level CC saat ini : " + temp);  System.out.println("Kecepatan : " + kecepatan + " KM");  System.out.println("Tekanan angin : " + tekananAngin + " PSI");  }  }  Main :  // MOTOR  System.out.println("---Motor---");  motor motor1 = new motor("Scoopy Fashion", 110);  motor1.info();  motor1.setKecepatan(45);  motor1.tambahTekananAngin(34);  motor1.info(); |
| Running : |

1. MotorListrik



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| MotorListrik |
| * Kapasitas baterai : double * Daya : double |
| * isi baterai(tambahan:double):void * gunakan motor(jarak:int):void * set kecepatan (kecepatan:int):setKecepatan * info():void |
| Kode Program  Class :  /\*  \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  \*/  /\*\*  \*  \* @author ahmad  \*/  public class motorListrik extends motor {  double kapasitasBaterai;  double daya;  public motorListrik(String merk, int cc, int tekananAngin) {  this.merk = merk;  this.cc = cc;  this.kecepatan = 0;  this.tekananAngin = tekananAngin;  this.kapasitasBaterai = 0;  this.daya = 0;  }  public void isiBaterai(double tambahan) {  kapasitasBaterai += tambahan;  if (kapasitasBaterai > 100) {  kapasitasBaterai = 100;  }  }  public void gunakanMotor(int jarak) {  double penggunaanBaterai = jarak / 10.0;  // System.out.println("Siap berkendara ?");    if (kapasitasBaterai > penggunaanBaterai) {  kapasitasBaterai -= penggunaanBaterai;  System.out.println("Wrrrrm");  kecepatan = 20;  daya = 500;  } else {  System.out.println("Mohon isi baterai terlebih dahulu");  }  }  public void setKecepatan(int kecepatan) {  this.kecepatan = kecepatan;  if(kecepatan<=20){  daya = 500;  } else if(kecepatan<=30){  daya = 1500;  } else if(kecepatan<=40) {  daya = 3500;  } else {  daya = 4500;  }  }  public void info() {  System.out.println("Merk motor : " + merk);  System.out.println("Kapasitas Baterai : " + kapasitasBaterai + "%");  System.out.println("CC motor : " + cc + "CC");  String temp;  if (cc >= 1000) {  temp = "Sangat cepat";  } else if (cc >= 500) {  temp = "Cepat";  } else if (cc >= 150) {  temp = "Standar";  } else {  temp = "Lambat";  }  System.out.println("Level CC saat ini : " + temp);  System.out.println("Tekanan angin : " + tekananAngin + "PSI");  System.out.println("Kecepatan : " + kecepatan);  System.out.println("Daya Motor : " + daya + " Watt");  }  }  Main :  // MOTOR LISTRIK  System.out.println("---Motor Listrik---");  motorListrik ml1 = new motorListrik("Viar NX", 100, 32);  ml1.info();  ml1.gunakanMotor(13);  ml1.isiBaterai(75);  ml1.gunakanMotor(13);  ml1.info();  ml1.setKecepatan(60);  ml1.info(); |

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| Running : |

1. MotorMasukkan

A motorcycle parked on a brick surface

Description automatically generated

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| MotorListrik |
| * Bensin:double * Gigi:int |
| * isi bensin(increment:double):void * gunakan motor(jarak :int):void * set kecepatan(kecepatan:int):void * info():void |
| Kode Program  Class :  /\*  \* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  \* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  \*/  /\*\*  \*  \* @author ahmad  \*/  public class motorMasukan extends motor {  double bensin;  int gigi;  public motorMasukan(String merk, int cc, int tekananAngin) {  this.merk = merk;  this.cc = cc;  kecepatan = 0;  this.tekananAngin = tekananAngin;  bensin = 0;  gigi = 0;  }  public void isiBensin(double increement) {  bensin += increement;  }  public void gunakanMotor(int jarak) {  double penggunaanBensin = jarak / 15;  System.out.println("Siap berkendara ?");  if (bensin > penggunaanBensin) {  bensin -= penggunaanBensin;  System.out.println("Brummm");  gigi = 1;  kecepatan = 20;  } else {  System.out.println("Mohon isi bensin terlebih dahulu");  }  }    public void setKecepatan(int kecepatan) {  this.kecepatan = kecepatan;  if(kecepatan<=20){  gigi = 1;  } else if(kecepatan<=40){  gigi = 2;  } else if(kecepatan<=50) {  gigi = 3;  } else {  gigi = 4;  }  }    public void info() {  System.out.println("Merk motor : " + merk);  System.out.println("Bensin : " + bensin + " Liter");  System.out.println("CC motor : " + cc + "CC");  String temp;  if (cc >= 1000) {  temp = "Sangat cepat";  } else if (cc >= 500) {  temp = "Cepat";  } else if (cc >= 150) {  temp = "Standar";  } else {  temp = "Lambat";  }  System.out.println("Level CC saat ini : " + temp);  System.out.println("Tekanan angin : " + tekananAngin + "PSI");  System.out.println("Gigi : " + gigi);  System.out.println("Kecepatan : " + kecepatan);  }  }  Main :  // MOTOR MASUKKAN  System.out.println("---Motor Masukan---");  motorMasukan mm1 = new motorMasukan("Supra X 125", 125, 34);  mm1.info();  mm1.gunakanMotor(15);  mm1.isiBensin(5);  mm1.gunakanMotor(15);  mm1.info();  mm1.setKecepatan(60);  mm1.info(); |
| Running : |