# **Tugas Pemograman 2**

bot-style:none; xpos:5.715cm; wrap-mode:wrapped-both; frame-type:image; ypos:0.039cm; frame-height:4.064cm; left-style:none; position-to:block-above-text; frame-width:3.995cm; right-style:none; top-style:none

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# Hasil Praktikum

1. mvn archetype:create -DgroupId=com.p2.belajardate -DartifactId=belajar-date
2. Buat file BelajarCal.java di main

*package com.p2.belajardate;*

*import java.text.DateFormat;*

*import java.util.Calendar;*

*public class BelajarCal {*

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

*Calendar cal = Calendar.getInstance();*

*DateFormat df = DateFormat.getDateTimeInstance(DateFormat.FULL,DateFormat.MEDIUM);*

*System.out.println(df.format(cal.getTime()));*

*}*

*}*

1. Buat File BelajarDate.java

*package com.p2.belajardate;*

*import java.text.DateFormat;*

*import java.text.SimpleDateFormat;*

*import java.util.Calendar;*

*import java.util.Date;*

*public class BelajarDate {*

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

*System.out.println("Waktu sekarang");*

*DateFormat datFor = new SimpleDateFormat("yyyy/MM/dd HH:mm:ss");*

*Date dat = new Date();*

*System.out.println(datFor.format(dat));*

*Calendar cal = Calendar.getInstance();*

*System.out.println(datFor.format(cal.getTime()));*

*}*

*}*

1. Buat File LatihanTanggal.java

*package com.p2.belajardate;*

*import java.text.DateFormat;*

*import java.text.SimpleDateFormat;*

*import java.util.\*;*

*public class LatihanTanggal {*

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

*showDateFormat();*

*showSimpleDateFormat();*

*}*

*public static void showDateFormat(){*

*Date now = new Date();*

*System.out.println("Date toString() format: "+now.toString());*

*DateFormat datFor = DateFormat.getInstance();*

*System.out.println("Default Dateformat in west coaast:" +datFor.format(now));*

*datFor.setTimeZone(TimeZone.getTimeZone("America/los\_Angeles"));*

*System.out.println("Default DateFormat in west coaast: " +datFor.format(now));*

*datFor = DateFormat.getDateTimeInstance(DateFormat.SHORT,DateFormat.SHORT,Locale.US);*

*System.out.println("Short date time in US : "+datFor.format(now));*

*datFor = DateFormat.getDateTimeInstance(DateFormat.SHORT,DateFormat.SHORT,Locale.US);*

*System.out.println("Medium date time in US: "+datFor.format(now));*

*datFor = DateFormat.getDateTimeInstance(DateFormat.SHORT,DateFormat.SHORT,Locale.FRENCH);*

*System.out.println("Short date time in French : "+datFor.format(now));*

*}*

*public static void showSimpleDateFormat(){*

*Date now = new Date();*

*System.out.println("Date to String() format : "+now.toString());*

*SimpleDateFormat simDatFor = new SimpleDateFormat();*

*System.out.println("Default SimpleDateFormat : "+ simDatFor.format(now));*

*simDatFor = new SimpleDateFormat("dd-MMM-YYYY");*

*System.out.println("The FDA standart format : "+ simDatFor.format(now));*

*simDatFor = new SimpleDateFormat("EEE MMM dd HH:mm:ss zzz yyyy");*

*System.out.println("Date format : "+ simDatFor.format(now));*

*simDatFor = new SimpleDateFormat("EEE MMM dd HH:mm:ss zzz yyyy", Locale.FRENCH);*

*System.out.println("Date format french : "+ simDatFor.format(now));*

*}*

*}*

1. Buat File KonversiTanggal.java

*package com.p2.belajardate;*

*import java.text.ParseException;*

*import java.text.SimpleDateFormat;*

*import java.util.Calendar;*

*import java.util.Date;*

*import java.util.GregorianCalendar;*

*public class KonversiTanggal {*

*private static void stringToDate(){*

*try{*

*Date dat1;*

*dat1 = new SimpleDateFormat("MM/dd/yy").parse("07/06/01");*

*System.out.println(dat1);*

*Date dat2 = new SimpleDateFormat("MM/dd/yyyy").parse("07/06/2001");*

*System.out.println(dat2);*

*}catch(ParseException e){*

*e.printStackTrace();*

*}*

*}*

*private void calcDate(long msec){*

*SimpleDateFormat simDatFor = new SimpleDateFormat("MMM dd.yyy HH:mm");*

*Date hasilDat = new Date (msec);*

*System.out.println(simDatFor.format(hasilDat));*

*}*

*private void writeActualDate(){*

*Calendar cal = new GregorianCalendar();*

*Date creationDat = cal.getTime();*

*SimpleDateFormat simDatFor = new SimpleDateFormat("MMM dd,yyyy hh:mm");*

*System.out.println(simDatFor.format(creationDat));*

*}*

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

*KonversiTanggal kt = new KonversiTanggal();*

*kt.stringToDate();*

*kt.calcDate(System.currentTimeMillis());*

*kt.writeActualDate();*

*}*

*}*

1. Buat File JenisProduk.java

*package com.p2.belajardate;*

*public class JenisProduk{*

*private Integer id;*

*private String namaJenis;*

*public Integer getId(){*

*return this.id;*

*}*

*public void setId(Integer id){*

*this.id = id;*

*}*

*public String getNamaJenis(){*

*return this.namaJenis;*

*}*

*public void setNamaJenis(String namaJenis){*

*this.namaJenis = namaJenis;*

*}*

*}*

1. Buat File Produk.java

*package com.p2.belajardate;*

*import java.math.BigDecimal;*

*import java.util.Date;*

*public class Produk{*

*private Integer id;*

*private String kodeProduk;*

*private JenisProduk jp;*

*private String nama;*

*private BigDecimal harga;*

*private Date waktuinput;*

*public Integer getId(){*

*return this.id;*

*}*

*public void setId(Integer id){*

*this.id = id;*

*}*

*public String getKodeProduk(){*

*return this.kodeProduk;*

*}*

*public void setKodeProduk(String kodeProduk){*

*this.kodeProduk = kodeProduk;*

*}*

*public JenisProduk getJp(){*

*return this.jp;*

*}*

*public void setJp(JenisProduk jp){*

*this.jp = jp;*

*}*

*public String getNama(){*

*return this.nama;*

*}*

*public void setNama(String nama){*

*this.nama = nama;*

*}*

*public BigDecimal getHarga(){*

*return this.harga;*

*}*

*public void setHarga(BigDecimal harga){*

*this.harga = harga;*

*}*

*public Date getWaktuInput(){*

*return this.waktuinput;*

*}*

*public void setWaktuInput(Date waktuinput){*

*this.waktuinput = waktuinput;*

*}*

*}*

1. ProdukDao.java

*package com.p2.belajardate;*

*import java.math.BigDecimal;*

*import java.sql.Connection;*

*import java.sql.DriverManager;*

*import java.sql.PreparedStatement;*

*import java.sql.ResultSet;*

*import java.sql.SQLException;*

*import java.util.ArrayList;*

*import java.util.Date;*

*import java.util.List;*

*import java.lang.String;*

*public class ProdukDao {*

*public void simpanProduk(Produk p) throws SQLException{*

*Connection c = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2","root","");*

*String sqlSimpan = "INSERT INTO `produk`(`kodeProduk`, `idJenis`, `nama`, `harga`, `waktuInput`) VALUES (?,?,?,?,?)";*

*PreparedStatement psSimpan = c.prepareStatement(sqlSimpan);*

*psSimpan.setString(1, p.getKodeProduk());*

*psSimpan.setInt(2, p.getJp().getId());*

*psSimpan.setString(3, p.getNama());*

*psSimpan.setBigDecimal(4, p.getHarga());*

*psSimpan.setDate(5, new java.sql.Date(p.getWaktuInput().getTime()));*

*psSimpan.executeUpdate();*

*c.close();*

*}*

*public List<Produk> tampilProduk() throws SQLException{*

*List<Produk> lp = new ArrayList<Produk>();*

*Connection c = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2","root","");*

*String sqlTampil = "SELECT \* FROM produk ";*

*PreparedStatement psTampil = c.prepareStatement(sqlTampil);*

*ResultSet rs = psTampil.executeQuery();*

*while(rs.next()){*

*Produk p = new Produk();*

*p.setId(rs.getInt("id"));*

*p.setKodeProduk(rs.getString("kodeProduk"));*

*p.setNama(rs.getString("nama"));*

*p.setWaktuInput(rs.getDate("waktuInput"));*

*JenisProduk jp = jpByid(rs.getInt("idJenis"));*

*p.setJp(jp);*

*lp.add(p);*

*}*

*c.close();*

*return lp;*

*}*

*public JenisProduk jpByid(Integer id) throws SQLException{*

*JenisProduk jp = new JenisProduk();*

*Connection c = DriverManager.getConnection("jdbc:mysql://localhost:3306/p2","root","");*

*String sqlTampilJenis = "SELECT \* FROM jenis WHERE id=?";*

*PreparedStatement psTampilJenis = c.prepareStatement(sqlTampilJenis);*

*psTampilJenis.setInt(1, id);*

*ResultSet rs = psTampilJenis.executeQuery();*

*if(!rs.next()){*

*return null;*

*}*

*jp.setId(rs.getInt("id"));*

*jp.setNamaJenis(rs.getString("namaJenis"));*

*c.close();*

*return jp;*

*}*

*}*

1. cd belajar-date pada console

1. mvn clean package exec:java -Dexec.mainClass=com.p2.belajardate.BelajarCal