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| **2019년 12월 09일 실습보고서** |
| **학번 : 201810754 이름 : 조윤직** |
| **실습자료1 : [다이얼로그 ]** |
| **소스코드** |
| package java\_1209;  import java.awt.event.WindowAdapter;  import java.awt.event.WindowEvent;  import javax.swing.JDialog;  import javax.swing.JFrame;  public class MyDialog extends JDialog{  MyFrame parent;  public MyDialog(MyFrame frame,String title,boolean modal ) {  super(frame,title,modal);//모달 - 포커스 독점 여부  parent=frame;  init();  this.setSize(300,300);  // 이 창을 종료 시키면 해주는 기능이나 그런것 지정 - 이창만 종료되게  this.setDefaultCloseOperation(JFrame.***DISPOSE\_ON\_CLOSE***);  this.setVisible(true);  }  void init(){  this.addWindowListener(new WindowAdapter() {  *@Override*  public void windowClosing(WindowEvent e) {  // **TODO** Auto-generated method stub  super.windowClosing(e);  parent.dlg=null; // null 값으로  dispose();  }  });  }      }  package java\_1209;  import java.awt.\*;  import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import java.awt.event.ItemEvent;  import java.awt.event.ItemListener;  import java.awt.event.KeyAdapter;  import java.awt.event.KeyEvent;  import javax.swing.\*;  import javax.swing.event.ListSelectionEvent;  import javax.swing.event.ListSelectionListener;  import javax.swing.plaf.basic.BasicInternalFrameTitlePane.CloseAction;  public class MyFrame extends JFrame implements ActionListener,ItemListener{  //무조건 있어야 할 변수들  Dimension screensize;//스크린 크기 담을 변수  Container container;  Toolkit kit;  JPanel[] panel= new JPanel[5];  JButton btn;  MyDialog dlg=null;      //JComboBox  MyFrame(String title){  super(title);//생성자 멤버 변수 설정  kit=Toolkit.*getDefaultToolkit*();//툴  screensize=kit.getScreenSize(); //화면 크기 저장  container=getContentPane(); //컨테이너 가져오기    init();    //창 띄우기  setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE***);  setSize(screensize.width/2,screensize.height/2);  setVisible(true);  }  public void init() {  //다이얼 로그 생성위한 창  btn=new JButton("다이얼 로그");  btn.addActionListener(this);  panel[0]=new JPanel();  panel[0].add(btn);    container.add(panel[0],BorderLayout.***NORTH***);      }    *@Override* //체크 박스 용 아이템 리스너  public void itemStateChanged(ItemEvent e) {  // **TODO** Auto-generated method stub  if(e.getStateChange()==ItemEvent.***SELECTED***) {    }  else {}  }  *@Override*  public void actionPerformed(ActionEvent e) {  // **TODO** Auto-generated method stub  if(e.getSource()==btn) {  if(dlg == null)  dlg= new MyDialog(this,"대화상자",false);  else  //dlg.setVisible(true);  dlg.requestFocus();  }  }  class MyPanel extends JPanel{  Image img;  MyPanel(String filename){  //img 연결  img=kit.getImage(filename);    }  *@Override* //자기 자신을 그리는 함수-컴포넌트가 자기를 그리는 함수  protected void paintComponent(Graphics g) {  // **TODO** Auto-generated method stub  super.paintComponent(g);  if(img !=null) {  g.drawImage(img,0, 0, screensize.width/4,screensize.height/4,this);  }  }  }  public static void main(String[] args) {  MyFrame myframe=new MyFrame("1209실습 || 201810754 조윤직");  }  } |
| **실행결과** |
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| **실습자료2 : [다이얼 로그]** |
| **소스코드** |
| package java\_1209;  import java.awt.GridLayout;  import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import java.awt.event.WindowAdapter;  import java.awt.event.WindowEvent;  import javax.swing.JButton;  import javax.swing.JDialog;  import javax.swing.JFrame;  import javax.swing.JLabel;  import javax.swing.JOptionPane;  import javax.swing.JPanel;  import javax.swing.JPasswordField;  import javax.swing.JTextArea;  import javax.swing.JTextField;  public class MyDialog extends JDialog{  MyFrame parent;  JPanel panel;  JTextField mid;  JPasswordField mpasswd1;  JPasswordField mpasswd2;  JTextField maddr;  JTextField mtel;  JButton btn;    public MyDialog(MyFrame frame,String title,boolean modal ) {  super(frame,title,modal);//모달 - 포커스 독점 여부  parent=frame;  init();  this.setSize(300,300);  // 이 창을 종료 시키면 해주는 기능이나 그런것 지정 - 이창만 종료되게  this.setDefaultCloseOperation(JFrame.***DISPOSE\_ON\_CLOSE***);  this.setVisible(true);  }  void init(){  panel=new JPanel(new GridLayout(8,2));  mid=new JTextField(15);  mpasswd1=new JPasswordField(15);  mpasswd2=new JPasswordField(15);  mpasswd1.setEchoChar('\*');  mpasswd2.setEchoChar('\*');  maddr=new JTextField(15);  mtel=new JTextField(15);  btn=new JButton("회원 가입");  btn.addActionListener(new ActionListener() {  *@Override*  public void actionPerformed(ActionEvent e) {  // **TODO** Auto-generated method stub  if(e.getSource()==btn) {  String[] data= {  mid.getText(),  new String(mpasswd1.getPassword()),  maddr.getText(),mtel.getText() };  parent.model.addRow(data);  parent.dlg.dispose();  parent.dlg=null;  }  }  });  mpasswd2.addActionListener(new ActionListener() {  *@Override*  public void actionPerformed(ActionEvent e) {  // **TODO** Auto-generated method stub  if(e.getSource()==mpasswd2) {  String pass1 =new String(mpasswd1.getPassword());  String pass2 =new String(mpasswd2.getPassword());  if(pass1.equals(pass2)){  JOptionPane.*showMessageDialog*(parent.dlg, "일치합니다.");  }  else  JOptionPane.*showMessageDialog*(parent.dlg, "일치하지 않습니다.");  }      }  });  panel.add(new JLabel("아이디 : "));  panel.add(mid);  panel.add(new JLabel("비밀 번호 : "));  panel.add(mpasswd1);  panel.add(new JLabel("비밀 번호 확인 : "));  panel.add(mpasswd2);  panel.add(new JLabel("주소 : "));  panel.add(maddr);  panel.add(new JLabel("전화번호 : "));  panel.add(mtel);  panel.add(btn);    this.add(panel);    this.addWindowListener(new WindowAdapter() {  *@Override*  public void windowClosing(WindowEvent e) {  // **TODO** Auto-generated method stub  super.windowClosing(e);  parent.dlg=null; // null 값으로  dispose();  }  });  }      } |
| **실행결과** |
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| **실습자료3 : [색 설정창, 파일 선택 다이얼로그]** |
| **소스코드** |
| package java\_1209;  import java.awt.\*;  import java.awt.event.ActionEvent;  import java.awt.event.ActionListener;  import java.awt.event.ItemEvent;  import java.awt.event.ItemListener;  import java.awt.event.KeyAdapter;  import java.awt.event.KeyEvent;  import java.io.File;  import java.io.IOException;  import javax.imageio.ImageIO;  import javax.swing.\*;  import javax.swing.event.ListSelectionEvent;  import javax.swing.event.ListSelectionListener;  import javax.swing.plaf.basic.BasicInternalFrameTitlePane.CloseAction;  import javax.swing.table.DefaultTableModel;  public class MyFrame extends JFrame implements ActionListener,ItemListener{  //무조건 있어야 할 변수들  Dimension screensize;//스크린 크기 담을 변수  Container container;  Toolkit kit;  JPanel[] panel= new JPanel[5];  JButton btn;  MyDialog dlg=null;  JTable table;  DefaultTableModel model;  String[] colums= {"아이디", "비밀번호","주소","전화번호"};    //색상 ㅡ파일 클릭  JPanel imgpanel;  MyPanel mypanel=null;  JButton colorBtn,fileBtn;  JLabel img;  public void init2() {  panel[1]=new JPanel();  imgpanel=new JPanel();  colorBtn= new JButton("색상 선택");  colorBtn.addActionListener(this);  fileBtn=new JButton("파일 선택");  fileBtn.addActionListener(this);  panel[1].add(colorBtn);  panel[1].add(fileBtn);  container.add(panel[1],BorderLayout.***NORTH***);  imgpanel=new JPanel();  img=new JLabel();  imgpanel.add(img);  container.add(imgpanel,BorderLayout.***CENTER***);  }    //JComboBox  MyFrame(String title){  super(title);//생성자 멤버 변수 설정  kit=Toolkit.*getDefaultToolkit*();//툴  screensize=kit.getScreenSize(); //화면 크기 저장  container=getContentPane(); //컨테이너 가져오기    init2();    //창 띄우기  setDefaultCloseOperation(JFrame.***EXIT\_ON\_CLOSE***);  setSize(screensize.width/2,screensize.height/2);  setVisible(true);  }    *@Override* //체크 박스 용 아이템 리스너  public void itemStateChanged(ItemEvent e) {  // **TODO** Auto-generated method stub  if(e.getStateChange()==ItemEvent.***SELECTED***) { }  else {}  }  *@Override*  public void actionPerformed(ActionEvent e) {  // **TODO** Auto-generated method stub  if(e.getSource()==btn) {  if(dlg == null)  dlg= new MyDialog(this,"대화상자",false);  else  //dlg.setVisible(true);  dlg.requestFocus();  }  else if(e.getSource()==colorBtn) {  Color color= JColorChooser.*showDialog*(this, "색상창", Color.***GREEN***);  if(color != null) {  imgpanel.setBackground(color);  }  }  else if(e.getSource()==fileBtn) {  JFileChooser filedlg=new JFileChooser();  int result = filedlg.showOpenDialog(this);  if(result==JFileChooser.***APPROVE\_OPTION***) {  //선택한 파일 저장  File file=filedlg.getSelectedFile();  try { //파일을 읽어 와서 아이콘을 생성해서 -아이콘 설정  img.setIcon(new ImageIcon(ImageIO.*read*(file)));  } catch (IOException e1) {  // **TODO** Auto-generated catch block  e1.printStackTrace();  }  }  //savedialog, opendialog 각각 파일 저장 , 오픈  }  }  class MyPanel extends JPanel{  Image img;  MyPanel(String filename){  //img 연결  img=kit.getImage(filename);    }  *@Override* //자기 자신을 그리는 함수-컴포넌트가 자기를 그리는 함수  protected void paintComponent(Graphics g) {  // **TODO** Auto-generated method stub  super.paintComponent(g);  if(img !=null) {  g.drawImage(img,0, 0, screensize.width/4,screensize.height/4,this);  }  }  }  public static void main(String[] args) {  MyFrame myframe=new MyFrame("1209실습 || 201810754 조윤직");  }  } |
| **실행결과** |
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| **실습자료4 : []** |
| **소스코드** |
| MyFrame.java |
| **실행결과** |
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