**import** java.awt.\*;

**import** java.awt.event.\*;

**import** javax.swing.\*;

**class** DatePicker {

**int** month = java.util.Calendar.*getInstance*().get(java.util.Calendar.*MONTH*);

**int** year = java.util.Calendar.*getInstance*().get(java.util.Calendar.*YEAR*);;

JLabel l = **new** JLabel("", JLabel.*CENTER*);

String day = "";

JDialog d;

JButton[] button = **new** JButton[49];

**public** DatePicker(JFrame parent) {

d = **new** JDialog();

d.setModal(**true**);

String[] header = { "Sun", "Mon", "Tue", "Wed", "Thur", "Fri", "Sat" };

JPanel p1 = **new** JPanel(**new** GridLayout(7, 7));

p1.setPreferredSize(**new** Dimension(430, 120));

**for** (**int** x = 0; x < button.length; x++) {

**final** **int** selection = x;

button[x] = **new** JButton();

button[x].setFocusPainted(**false**);

button[x].setBackground(Color.*white*);

**if** (x > 6)

button[x].addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent ae) {

day = button[selection].getActionCommand();

d.dispose();

}

});

**if** (x < 7) {

button[x].setText(header[x]);

button[x].setForeground(Color.*red*);

}

p1.add(button[x]);

}

JPanel p2 = **new** JPanel(**new** GridLayout(1, 3));

JButton previous = **new** JButton("<< Previous");

previous.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent ae) {

month--;

displayDate();

}

});

p2.add(previous);

p2.add(l);

JButton next = **new** JButton("Next >>");

next.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent ae) {

month++;

displayDate();

}

});

p2.add(next);

d.add(p1, BorderLayout.*CENTER*);

d.add(p2, BorderLayout.*SOUTH*);

d.pack();

d.setLocationRelativeTo(parent);

displayDate();

d.setVisible(**true**);

}

**public** **void** displayDate() {

**for** (**int** x = 7; x < button.length; x++)

button[x].setText("");

java.text.SimpleDateFormat sdf = **new** java.text.SimpleDateFormat(

"MMMM yyyy");

java.util.Calendar cal = java.util.Calendar.*getInstance*();

cal.set(year, month, 1);

**int** dayOfWeek = cal.get(java.util.Calendar.*DAY\_OF\_WEEK*);

**int** daysInMonth = cal.getActualMaximum(java.util.Calendar.*DAY\_OF\_MONTH*);

**for** (**int** x = 6 + dayOfWeek, day = 1; day <= daysInMonth; x++, day++)

button[x].setText("" + day);

l.setText(sdf.format(cal.getTime()));

d.setTitle("Date Picker");

}

**public** String setPickedDate() {

**if** (day.equals(""))

**return** day;

java.text.SimpleDateFormat sdf = **new** java.text.SimpleDateFormat(

"dd-MM-yyyy");

java.util.Calendar cal = java.util.Calendar.*getInstance*();

cal.set(year, month, Integer.*parseInt*(day));

**return** sdf.format(cal.getTime());

}

}

**class** Picker {

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

JLabel label = **new** JLabel("Selected Date:");

**final** JTextField text = **new** JTextField(20);

JButton b = **new** JButton("popup");

JPanel p = **new** JPanel();

p.add(label);

p.add(text);

p.add(b);

**final** JFrame f = **new** JFrame();

f.getContentPane().add(p);

f.pack();

f.setVisible(**true**);

b.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent ae) {

text.setText(**new** DatePicker(f).setPickedDate());

}

});

}

}