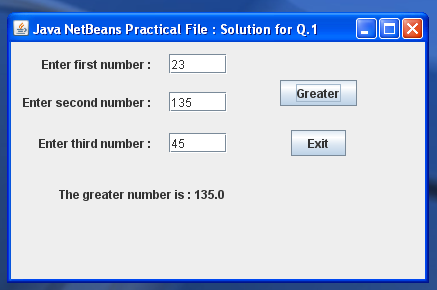
**Guess Paper – 2013  
Class – XII  
Subject – Informatics Practices**

**IP RECORD**

1.greatest of three numbers .



Sol. private void grButtonActionPerformed(java.awt.event.ActionEvent evt) {

float N1, N2, N3; // Variables to hold three input values.

float max; // Variable to hold maximum value.

N1 = Integer.parseInt(txtN1.getText());

N2 = Integer.parseInt(txtN2.getText());

N3 = Integer.parseInt(txtN3.getText());

// only checks the nonzero value

if ((N1 >= 0) && (N2 >= 0) && (N3 >= 0)) {

max = N1;

if (N2>max)

max = N2;

if (N3>max)

max = N3;

jLabel4.setText("The greater number is : " +max);

}

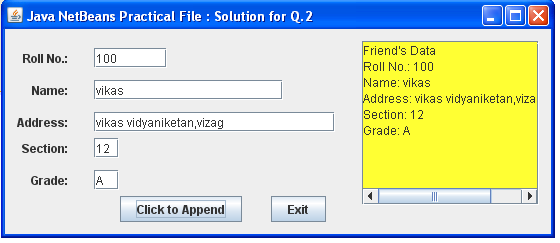
}

private void exButtonActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

**2.moving data from text fields to text area**



Sol. private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

jTextArea1.append("Friend's Data" + "\n"); // Roll No.

jTextArea1.append("Roll No.: " + jTextField1.getText() + "\n"); // Roll No.

jTextArea1.append("Name: " + jTextField2.getText() + "\n"); // Name

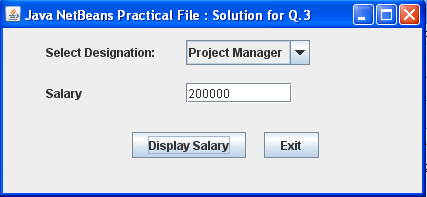
jTextArea1.append("Address: " + jTextField3.getText() + "\n"); // Address

jTextArea1.append("Section: " + jTextField4.getText() + "\n"); // Section

jTextArea1.append("Grade: " + jTextField5.getText() + "\n"); // Grade

}

3. display salary according to designation .



Sol. private void btnSalActionPerformed(java.awt.event.ActionEvent evt) {

String Desig = jComboBox1.getSelectedItem().toString();

if (Desig.equals("Project Manager")) {

jTextField1.setText("200000");

} else if (Desig.equals("Manager")) {

jTextField1.setText("150000");

} else if (Desig.equals("Architect")) {

jTextField1.setText("100000");

} else if (Desig.equals("Team Leader")) {

jTextField1.setText("100000");

} else if (Desig.equals("Sr. Programmer")) {

jTextField1.setText("75000");

} else if (Desig.equals("Programmer")) {

jTextField1.setText("50000");

} else if (Desig.equals("Operator")) {

jTextField1.setText("25000");

}

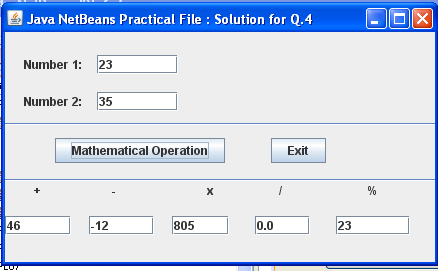
}

private void btnExitActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

4. arthimetic operations



Sol. private void btnAOActionPerformed(java.awt.event.ActionEvent evt) {

int n1, n2, aoPlus, aoMult, aoRem, Diff;

float aoDiv;

n1 = Integer.parseInt(txtNum1.getText());

n2 = Integer.parseInt(txtNum2.getText());

aoPlus = n1 + n2 ;

Diff = n1 - n2;

aoMult = n1 \* n2;

aoDiv = n1 / n2;

aoRem = n1 % n2;

txtPlus.setText(String.valueOf(aoPlus));

txtMinus.setText(String.valueOf(Diff));

txtMult.setText(String.valueOf(aoMult));

txtDiv.setText(String.valueOf(aoDiv));

txtMod.setText(String.valueOf(aoRem));

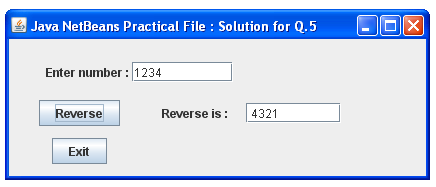
}

private void btnExitActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

5. find the reverse of a given no.



Sol. private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnRevActionPerformed(java.awt.event.ActionEvent evt) {

String str;

int value, r\_digit;

value = 0;

while (value <= 0) {

value = Integer.parseInt(txtNum.getText());

if (value <= 0) {

JOptionPane.showMessageDialog(this, "The number must be positive");

break;

}

}

str = " ";

while (value != 0) {

r\_digit = value % 10;

str = str + Integer.toString(r\_digit);

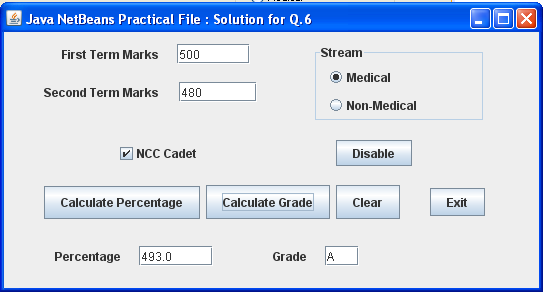
value = value / 10;

}

txtRev.setText(str);

}

6. calculate percentage and grade



Sol. private void cmdCalcGradeActionPerformed(java.awt.event.ActionEvent evt) {

float per = Float.valueOf(txtPer.getText());

String gr="";

// Medical section

if (optMed.isSelected()) {

if (per >= 80)

gr = "A";

else

if (per >= 60 && per <= 78)

gr = "B";

else

if (per < 60)

gr = "C";

}

// Non-Medical section

else

if (optNMed.isSelected()) {

if (per >= 75)

gr = "A";

else

if (per >= 50 && per <= 74)

gr = "B";

else

if (per < 50)

gr = "C";

}

txtGr.setText(gr);

}

private void cmdClearActionPerformed(java.awt.event.ActionEvent evt) {

txtFirst.setText("");

txtSecond.setText("");

txtPer.setText("");

txtGr.setText("");

chkNCC.setSelected(false);

optMed.setSelected(true); // Default button selected

optNMed.setSelected(false);

}

private void cmdExitActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnDisActionPerformed(java.awt.event.ActionEvent evt) {

txtPer.enable(false);

txtGr.enable(false);

optMed.setSelected(true); // Default button selected

optNMed.setSelected(false);

}

private void cmdCalcPerActionPerformed(java.awt.event.ActionEvent evt) {

int fTerm, sTerm;

int Total=0;

float per=0;

fTerm = Integer.parseInt(txtFirst.getText());

sTerm = Integer.parseInt(txtSecond.getText());

Total = fTerm + sTerm; // Total marks

per = Total/2; // Percentage of marks

if (chkNCC.isSelected())

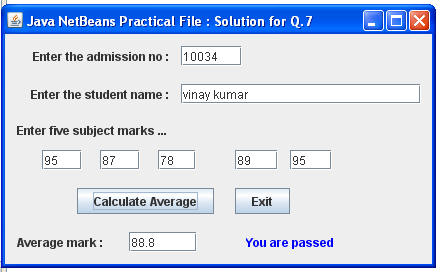
per = per + 3; // Extra 3% is given as NCC Cadet

// Displaying percentage

txtPer.setText(Float.toString(per));

}

7.class report



Sol. class Report

{

int adno;

String Name;

float M1, M2, M3, M4, M5;

float average;

float getavg( )

{

return ((M1 + M2 + M3 + M4 + M5)/5);

}

void read\_info( )

{

adno = Integer.parseInt(txtAdm.getText());

Name = txtSname.getText();

M1 = Integer.parseInt(txtM1.getText());

M2 = Integer.parseInt(txtM2.getText());

M3 = Integer.parseInt(txtM3.getText());

M4 = Integer.parseInt(txtM4.getText());

M5 = Integer.parseInt(txtM5.getText());

average = getavg();

}

void displayinfo()

{

txtAvg.setText(Float.toString(average));

if (average > 40) {

jLabel5.setText("You are passed");

jLabel5.setForeground(Color.blue);

}

else {

jLabel5.setText("You are failed");

jLabel5.setForeground(Color.red);

}

}

}

private void btnExitActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnAvgActionPerformed(java.awt.event.ActionEvent evt) {

// Report class object

Report RP = new Report();

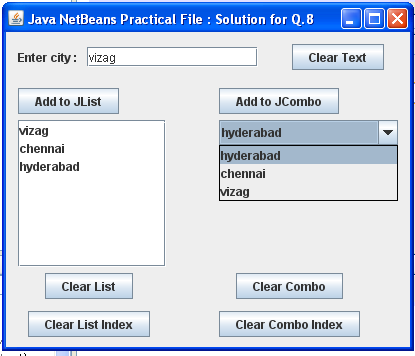
// Member method accessed through class object

RP.read\_info();

RP.displayinfo();

}

8.create an application using list and combo boxes



Sol. private void cmdListActionPerformed(java.awt.event.ActionEvent evt) {

String City = txtCity.getText();

DefaultListModel dModel = (DefaultListModel) jList1.getModel();

dModel.addElement(City);

jList1.setModel(dModel);

}

private void cmdLCActionPerformed(java.awt.event.ActionEvent evt) {

DefaultListModel dModel = (DefaultListModel) jList1.getModel();

dModel.clear();

}

private void cmdComboActionPerformed(java.awt.event.ActionEvent evt) {

String City = txtCity.getText();

DefaultComboBoxModel cModel = (DefaultComboBoxModel) jComboBox1.getModel();

cModel.addElement(City);

jComboBox1.setModel(cModel);

}

private void cmdCCActionPerformed(java.awt.event.ActionEvent evt) {

DefaultComboBoxModel cModel = (DefaultComboBoxModel) jComboBox1.getModel();

cModel.removeAllElements();

}

private void cmdLCIndActionPerformed(java.awt.event.ActionEvent evt) {

String City = (String) jList1.getSelectedValue();

int ind = jList1.getSelectedIndex();

if (jList1.isSelectedIndex(ind)) {

DefaultListModel dModel = (DefaultListModel) jList1.getModel();

dModel.remove(ind);

JOptionPane.showMessageDialog(this, "Deleted name " + City);

jList1.setModel(dModel);

} else

JOptionPane.showMessageDialog(this, "Note name is selected from list");

}

private void cmdClearActionPerformed(java.awt.event.ActionEvent evt) {

txtCity.setText("");

}

private void cmdCBIndActionPerformed(java.awt.event.ActionEvent evt) {

String City = (String) jComboBox1.getSelectedItem();

int ind = jComboBox1.getSelectedIndex();

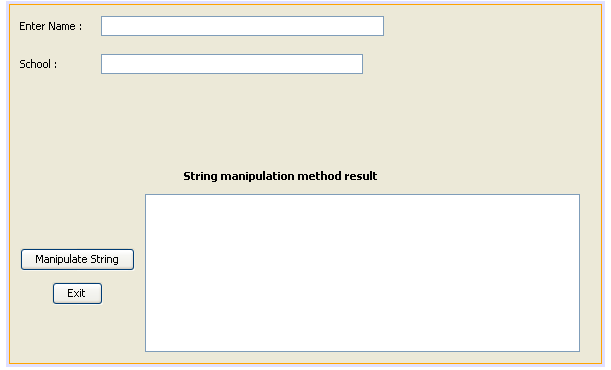
DefaultComboBoxModel cModel = (DefaultComboBoxModel) jComboBox1.getModel();

cModel.removeElementAt(ind);

JOptionPane.showMessageDialog(this, "Deleted name " + City);

jComboBox1.setModel(cModel);

9. String manipulation



Sol. private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

System.exit(0);

}

private void btnStringActionPerformed(java.awt.event.ActionEvent evt) {

String Name = txtName.getText();

String School = txtSch.getText();

String nName = Name.concat(School); // Concatenate Name with School

int nlength = Name.length();

String nStr = Name.substring(9); // Index stats from 9th position

String nStr1 = School.substring(9, 13); // Index start from 9th position till 13th

String uCase = Name.toUpperCase(); // Converts into uppercase letters

String LCase = School.toLowerCase(); // Converts into lowercase letters

String mess1 = " My Personal Bio-Data ";

String Year = "2010";

String nTrim = mess1.trim() + " " + Year;

txtStringArea.append("Concatenated string: " + nName + "\n");

txtStringArea.append("Length of '" + Name + "' is: " + nlength + "\n");

txtStringArea.append("Name.substring(9) is: " + nStr + "\n");

txtStringArea.append("School.substring(9, 13) is: " + nStr1 + "\n");

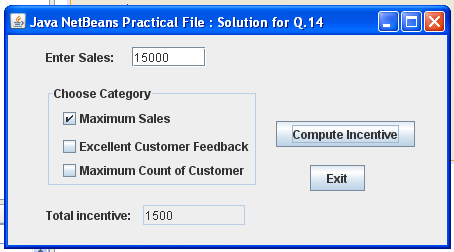
txtStringArea.append("Name.toUpperCase() is: " + uCase + "\n");

txtStringArea.append("School.toLowerCase() is: " + LCase + "\n");

txtStringArea.append("mess1 trim is: " + nTrim + "\n");

}

10. create a desktop application



Sol. private void btnIncActionPerformed(java.awt.event.ActionEvent evt) {

int sales = 0;

if (!txtSales.getText().trim().equals("")) {

sales = Integer.parseInt(txtSales.getText().trim());

}

double incentive = 0.0;

if (jCheckBox1.isSelected()) {

incentive = incentive + 0.1; // 10%

}

if (jCheckBox2.isSelected()) {

incentive = incentive + 0.08; // 8%

}

if (jCheckBox3.isSelected()) {

incentive = incentive + 0.05; // 5%

}

txtInc.setText("" + Math.round(sales \* incentive));

}