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//=====
// Question 2.1.1
//=====
procedure TfrmQuestion2.btnSQLqst211Click(Sender: TObject);
begin
    sSQL := 'SELECT * FROM tblPlayers Order by Name';
    qryLanFans.SQL.Clear;
    qryLanFans.SQL.ADD(sSQL);
    qryLanFans.Open;
end;

//=====
// Question 2.1.2
//=====
procedure TfrmQuestion2.btnSQLqst212Click(Sender: TObject);
begin
    sSQL := 'SELECT Name, DateOfBirth FROM tblPlayers ' +
            'WHERE Month(DateOfBirth) = 9';
    qryLanFans.SQL.Clear;
    qryLanFans.SQL.ADD(sSQL);
    qryLanFans.Open;
end;

//=====
// Question 2.1.3
//=====
procedure TfrmQuestion2.btnSQLqst213Click(Sender: TObject);
begin
    sSQL := ('SELECT GameDate, Round(Avg(Duration),1) AS AverageDuration' +
            ' FROM tblGames GROUP BY GameDate');
    qryLanFans.SQL.Clear;
    qryLanFans.SQL.ADD(sSQL);
    qryLanFans.Open;
end;

//=====
// Question 2.1.4
//=====
procedure TfrmQuestion2.btnSQLqst214Click(Sender: TObject);
begin
    sSQL := 'SELECT Name, Max(Score) AS HighestScore ' +
            'FROM tblPlayers P, tblGames G ' +
            'WHERE P.PlayerID = G.PlayerID GROUP BY Name';
    qryLanFans.SQL.Clear;
    qryLanFans.SQL.ADD(sSQL);
    qryLanFans.Open;
end;
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//=====
// Question 2.1.5
//=====
procedure TfrmQuestion2.btnSQLbqst215Click(Sender: TObject);
begin
    sSQL := 'INSERT INTO tblGames ' +
            'VALUES (76,#2017/12/24#,'''HM008''',250,6655)';
    qryLanFans.SQL.Clear;
    qryLanFans.SQL.ADD(sSQL);
    qryLanFans.ExecSQL;
    showMessage(IntToStr(qryLanFans.RowsAffected) + ' record/s added.');
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end;

// =====
// Question 2.2.1
// =====
procedure TfrmQuestion2.btnDomainUsersCountClick(Sender: TObject);
var
    sDomain: String;
    iCount: Integer;
begin
    // Provided code
    iCount := 0;
    redDisplay.Clear;
    redDisplay.Paragraph.TabCount := 1;
    redDisplay.Paragraph.Tab[0] := 90;

    sDomain := Inputbox('Domain Email','Enter the e-mail domain to
                        search for','gmail.com');
    redDisplay.lines.add('PLAYER' + #9 + 'E-MAIL ADDRESS');
    tblPlayers.First;
    while NOT tblPlayers.Eof do
    begin
        ifPos(sDomain,tblPlayers['Email']) > 0 then
        begin
            redDisplay.lines.add(tblPlayers['Name'] + #9 +
                                tblPlayers['Email']);
            Inc(iCount);
        end;
        tblPlayers.Next;
    end;

    redDisplay.lines.add(#13 + 'TOTAL for ' + sDomain + ': '
                        + IntToStr(iCount));
end;
```

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// =====
// Question 2.2.2
// =====
procedure TfrmQuestion2.btnChangeScoreClick(Sender: TObject);
begin
    tblGames.Edit;
    tblGames['Score'] := tblGames['Score'] + 250;
    tblGames.Post;
end;

// =====
// Question 2.2.3
// =====
procedure TfrmQuestion2.btnAddRiverClick(Sender: TObject);
begin
    tblGames.Insert;
    tblGames['GameIndx'] := tblGames.RecordCount + 1;
    tblGames['Gamedate'] := Date;
    tblGames['PlayerID'] := tblPlayers['PlayerId'];
    tblGames['Duration'] := InputBox('Game Duration',
                                     'Enter duration of game','');
    tblGames['Score'] := InputBox('Game Score','Enter score','');
    tblGames.Post;

end;

{$region Connect}

// Supplied Connection Code - DO NOT CHANGE.
// Database will automatically connect when run

var
    dbLanFans: TConnection;
    dsrPlayers: TDataSource;
    dsrGames: TDataSource;
    frmSQL: TfrmQst2SQL;

procedure TfrmQuestion2.FormShow(Sender: TObject);
begin
    dbLanFans := TConnection.create;
    dbLanFans.dbConnect;
    connect;
    pgcQst2.ActivePageIndex := 0;
end;
```

```
procedure TfrmQuestion2.connect;
begin

    tblPlayers := TADOTable.Create(frmQuestion2);
    tblPlayers.Connection := dbLanFans.dbConnection;
    tblPlayers.TableName := 'tblPlayers';
    tblPlayers.Open;

    tblGames := TADOTable.Create(frmQuestion2);
    tblGames.Connection := dbLanFans.dbConnection;
    tblGames.TableName := 'tblGames';
    tblGames.Open;

    dsrPlayers := TdataSource.Create(frmQuestion2);
    dsrPlayers.DataSet := tblPlayers;
    dbgPlayers.DataSource := dsrPlayers;

    dsrGames := TdataSource.Create(frmQuestion2);
    dsrGames.DataSet := tblGames;
    dbgGames.DataSource := dsrGames;
end;

// Supplied Connection Code - DO NOT CHANGE.
procedure TfrmQuestion2.btnRestoreClick(Sender: TObject);
var
    bFail: boolean;
begin
    dbLanFans.dbConnection.close;
    tblPlayers.Destroy;
    tblGames.Destroy;

    DeleteFile('LanFans.mdb');
    CopyFile('LanFansBackup.mdb', 'LanFans.mdb', bFail);

    dbLanFans.dbConnect;
    connect;
end;

procedure TfrmQuestion2.Button1Click(Sender: TObject);
begin
    frmSQL := TfrmQst2SQL.Create(frmQuestion2);
    frmSQL.ShowModal;
end;

{$endregion}

end.
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