Task 1 Pseudocode:

Class BaseBallGame

Declarations

String team1Name, team2Name

Num team1FinalScore, team2FinalScore

Void setTeam1Name(string name)

{

Team1Name = name

return

}

Void setTeam2Name(string name)

{

Team2Name = name

return

}

Void setTeam1FinalScore(num score)

{

Team1FinalScore = name

return

}

Void setTeam2FinalScore(num score)

{

Team2FinalScore = name

return

}

void getTeam1Name()

return team1Name

void getTeam2Name()

return team2Name

void getTeam1FinalScore()

return team1FinalScore

void getTeam2FinalScore()

return team2FinalScore

EndClass

Task 1 Part 2 Pseudocode:

Start

Declarations

BaseBallGame game1

BaseBallGame game2

BaseBallGame game3

Game1.setTeam1Name(“Caridnals”)

Game1.setTeam2Name(“Bears”)

Game1.setTeam1FinalScore(5)

Game1.setTeam2FinalScore(7)

Game2.setTeam1Name(“Gators”)

Game2.setTeam2Name(“Pangolins”)

Game2.setTeam1FinalScore(5)

Game2.setTeam2FinalScore(7)

Game3.setTeam1Name(“Otters”)

Game3.setTeam2Name(“Dolphins”)

Game3.setTeam1FinalScore(5)

Game3.setTeam2FinalScore(7)

Output “The final scores of Game 1 are”, game1.getTeam1FinalScore(), “for the ” game1.getTeam1Name(), “ and ”, game1.getTeam2FinalScore(), “ for the ”, game1.getTeam2Name()

Output “The final scores of Game 2 are”, game2.getTeam1FinalScore(), “for the ” game2.getTeam1Name(), “ and ”, game2.getTeam2FinalScore(), “ for the ”, game2.getTeam2Name()

Output “The final scores of Game 3 are”, game3.getTeam1FinalScore(), “for the ” game3.getTeam1Name(), “ and ”, game3.getTeam2FinalScore(), “ for the ”, game3.getTeam2Name()

End

Task 1 Part 3 Pseudocode:

Start

Declarations

Num totalGames = 12

BaseBallGame games[totalGames]

Num counter

Counter = 0

While counter < totalGames

games[counter] = getGameValues()

counter += 1

endwhile

displayWinner()

stop

public static BaseBallGame getItemValues(games, totalGames)

Declarations

BaseBallGame game

String team1Name, team2Name

Num team1FinalScore, team2FinalScore

Output “What is the name of Team 1?”

Input team1Name

Output “What is the name of Team 2?”

Input team2Name

Output “What is the final score of Team 1?”

Input team1FinalScore

Output “What is the final score of Team 2?”

Input team2FinalScore

Game.setTeam1Name(team1Name)

Game.setTeam2Name(team2Name)

Game.setTeam1FinalScore(team1FinalScore)

Game.setTeam2FinalScore(team2FinalScore)

Return game

Public static void displayWinner(BaseBallGame[] games, num totalGames)

If(games[counter].team1FinalScore > games[counter].team2FinalScore)

{

Output games[counter].getTeam1Name, “ wins!”

}

If(games[counter].team1FinalScore < games[counter].team2FinalScore)

{

Output games[counter].getTeam2Name, “ wins!”

}

If(games[counter].team1FinalScore == games[counter].team2FinalScore)

{

Output “It’s a tie!”

}

Task 2 Part 1 - 2

Class Issue

Declarations

Private num issueNumber, totalAdsSold, totalAdRevenue

Public Issue()

{

issueNumber = 1;

totalAdsSold = 0;

totalAdRevenue = 0;

return

}

Public Issue(num issueNum, num adsSold, num adRev)

{

issueNumber = issueNum;

totalAdsSold = adsSold;

totalAdRevenue = adRev;

return

}

Public Issue(num issueNum, num adsSold)

{

issueNumber = issueNum;

totalAdsSold = adsSold;

totalAdRevenue = adsSold \* 50;

return

}

Task 2 Part 3

App Design

Start

Declarations

Issue issue1

Issue issue2 = new Issue(2, 5, 250)

Issue issue3 = new Issue(3, 7)

Output “Issue number is ”, issue1.getIssueNum(),” Issue ads sold is ”, issue1.getTotalAdsSold(), “ ad revenue is ”, issue1.getTotalAdRevenue()

Output “Issue number is ”, issue2.getIssueNum(),” Issue ads sold is ”, issue2.getTotalAdsSold(), “ ad revenue is ”, issue2.getTotalAdRevenue()

Output “Issue number is ”, issue3.getIssueNum(),” Issue ads sold is ”, issue3.getTotalAdsSold(), “ ad revenue is ”, issue3.getTotalAdRevenue()

displayMotto()

End

Task 3:

Start

Declarations

Label homeLabel

Label totalLabel

Button manicure

Button pedicure

Button maniPedi

InputField selectionTotal

Num selectPrice

homeLabel.setText(“Dharma Day Spa”)

homeLabel.setPosition(0, 30)

totalLabel.setText(“Total for this visit:”)

totalLabel.setPositon(0, 25)

manicureButton.setText(“Manicure”)

manicureButton.setPosition(0, 25)

pedicureButton.setText(“Pedicure”)

pedicureButton.setPosition(0, 20)

maniPediButton.setText(“Mani’/’Pedi”)

maniPediButton.setPosition(0, 15)

if (GetButtonDown(“Manicure”) == true)

selectPrice = 10

if (GetButtonDown(“Pedicure”) == true)

selectPrice = 25

if (GetButtonDown(“ManiPedi”) == true)

selectPrice = 32

selectionTotal.setText(“Total: ”,selectPrice)

selectionTotal.setPosition(0, -10)

End