

Worksheet 2

2.1 The following program finds the weight lost by a person due to the hours spent on tennis, swimming and jogging. The numbers of calories burnt per hour by tennis, swimming and jogging are 250, 385 and 475 respectively. A person loses 1 kg of weight for each 7700 calories burnt.

Step 1: *Create a form with two command buttons, four labels, three text boxes and one picture box according to the properties table below*

Properties Table

Object	Property	Setting
Form	Name	frmWeight
	Caption	Loss of Weight
Command Button	Name	cmdCompute
	Caption	&Compute Weight loss
Command Button	Name	cmdExit
	Caption	&Exit
Label	Name	lblTennis
	Caption	Hours spent on tennis
Label	Name	lblSwimming
	Caption	Hourly spent on swimming
Label	Name	lblJogging
	Caption	Hourly spent on jogging
Label	Name	lblMessage
	Caption	Please enter hours spent on tennis, swimming and jogging
Text Box	Name	txtTennis
	Caption	(empty)
Text Box	Name	txtSwimming
	Caption	(empty)
Text Box	Name	txtJogging
	Caption	(empty)
Picture Box	Name	picOutput
	Caption	(empty)

Layout

Step 2 : *Add codes for the events*
cmdCompute_Click()
cmdExit

Codes for **cmdCompute**

```
Private Sub cmdCompute_Click()
    Dim TennisHours As Single, SwimmingHours As Single
    Dim JoggingHours As Single
    Tennis_factor = 250
    Swimming_factor = 385
    Jogging_factor = 475
    Conversion_factor = 7700

    picOutput.Cls
    TennisHours = Val(txtTennis.Text)
    SwimmingHours = Val(txtSwimming.Text)
    JoggingHours = Val(txtJogging.Text)
    Weight = (TennisHours * Tennis_factor _
        + SwimmingHours * Swimming_factor _
        + JoggingHours * Jogging_factor) / Conversion_factor

    picOutput.Print "The loss of weight is "; Format(Weight, "###0.0"); " kg"
End Sub
```

Codes for **cmdExit**

```
Private Sub cmdExit_Click()
    End
End Sub
```

Step 3 : *Execution*

Click the **txtTennis** text box and type 25
 Click the **txtSwimming** text box and type 30
 Click the **txtJogging** text box and type 45
 Click the **Compute Weight loss** command button
 Try other values for Hours
 Terminate the program by clicking the **Exit** button