

## Worksheet 1

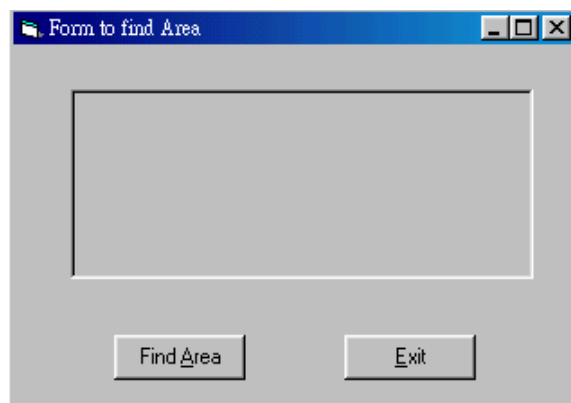
### 1.1 The following program finds the area of a circle with given radius.

**Step 1:** Create a form with two command buttons and one picture box according to the properties table below

#### Properties Table

Object	Property	Setting
Form	Name	frmArea
	Caption	Form to find Area
Command Button	Name	cmdCompute
	Caption	Find &Area
Command Button	Name	cmdExit
	Caption	&Exit
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 r1 As Single, r2 As Single, Area As Single  
    Pi = 3.1415926535  
    r1 = 2  
    r2 = 5.5  
  
    picOutput.Cls  
    picOutput.Print "This program finds the area of a circle"  
    picOutput.Print  
  
    Area = Pi * r1 * r1  
    picOutput.Print "For a circle with radius "; r1; ", the area is "; Area  
    Area = Pi * r2 * r2  
    picOutput.Print "For a circle with radius "; r2; ", the area is "; Area  
End Sub
```

Codes for **cmdExit**

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

**Step 3 :** *Execution*

Click the **Find Area** command button  
Terminate the program by clicking the **Exit** button