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CIS133N

**Sample Challenge**

Create an application that will display these images in PictureBox controls. When finished, the application should display the number of an image when the image is clicked on by the user. Example: When clicking the number one, a text box will show “one”.

**Step 1. Clearly define what the application will do.**

**Purpose**: When the user clicks an image of the number, it displays a text message of the same number.

**Output:** Text message of number.

**Input:** Single click of image.

**Process**: Clicking the image will result in a message box printing the number that matches the image.

**Step 2. Design the GUI**

**Step 3 Make a list of the controls needed.**

**Define the values of each controls relevant properties**

|  |  |  |
| --- | --- | --- |
| **Name** | **Description** | **Text** |
| numberForm | A form that serves as a window to hold the other controls. | “Program2\_2” |
| pictureBox1 | Image box that will hold an image showing the number 1. |  |
| pictureBox2 | Image box that will hold an image showing the number 2. |  |
| pictureBox3 | Image box that will hold an image showing the number 3. |  |
| pictureBox4 | Image box that will hold an image showing the number 4. |  |
| pictureBox5 | Image box that will hold an image showing the number 5. |  |

**Step 4 Make a list of the methods needed for each control**

|  |  |
| --- | --- |
| **Method** | **Description** |
| pictureBox1\_Click | When user click image in picture box, it will display a text box printing, “one”. |
| pictureBox2\_Click | When user click image in picture box, it will display a text box printing, “two”. |
| pictureBox3\_Click | When user click image in picture box, it will display a text box printing, “three”. |
| pictureBox4\_Click | When user click image in picture box, it will display a text box printing, “four”. |
| pictureBox5\_Click | When user click image in picture box, it will display a text box printing, “five”. |