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| --- | --- | --- |
| **Task**   1. Calculate the subtotal, sales tax and total due 2. Display the calculated amounts in lblSubtotal, lblSalesTax, and lblTotalDue 3. End the application 4. Display the total charge (from btnCalc) 5. Display the tax (from btnCalc) 6. Display the total due (from btnCalc) 7. Get and display the date, the number of dvds and number of blu-rays 8. Clear the contents of lblSubtotal, lblSalesTax, and lblTotalDue 9. Allow the text box to accept only numbers and the Backspace key 10. Select the contents of the text box | **Object**  btnCalc  btnExit  lblSubtotal  lblSalesTax  lblTotalDue  txtDate, txtDvds,txtBlurays  txtDate, txtDvds,txtBlurays  txtDate, txtDvds,txtBlurays  txtDate, txtDvds,txtBlurays | **Event**  Click  Click  None  None  None  None  TextChanged  KeyPress  Enter |

**Pseudocode**

btnCalc Click event procedure

1. declare the variables

1.1 const dblDVDS\_RATE = 9.99

1.2 const dblBLURAYS\_RATE = 11.99

1.3 const dblSALES\_TAX = 0.065 (6.5 percents)

1.4 dim intDvds

1.5 dim intBlurays

1.6 dim dblDvdsTotal

1.7 dim dblBluraysTotal

1.8 dim dblSubtotal

1.9 dim dblTotaldue

1.10 dim dblTotalTax

1. 11dim dblCount

1.12 dim strPromotions

2. convert the input from user to variable

2.1 txtDvds to intDvds

2.2 txtBlurays to intBlurays

3. Calculate the total dvds

dblDvdsTotal = intDvds \* dblDVDS\_RATE

4. Calculate the total of blu-rays

dblBluraysTotal = intBlurays \* dblBLURAYS\_RATE

5. Calculate subtotal before taxes

dblSubtotal = dblDvdsTotal + dblBluraysTotal

6. Calculate total taxes

dblTotalTax = dblSubtotal \* dblSALES\_TAX

7. Calculate total due

dblTotalDue = dblSubtotal + dblTotalTax

8. calculate a promotion every spend $50 get $10

If dblSubtotal >= 50 Then

dblPromotion = dblSubtotal / 50

intCount = Convert.ToInt32(dblPromotion)

intCash = intCount \* 10

lblText.Text = strPromotion & intCash.ToString("c2")

Else

lblText.Text = String.Empty

End If

9.. Calculate total due = subtotal + tax

display subtotal, sales tax and total due