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Experiment - 8

User form

Developer → Sheet 1 → Insert → user form → View → Properties window → Caption → (NAME)

Name → Times New Roman → Bold → 12 → OK

Programme :-

AGE :-

TextBox2.value = SpinButton1.value

Qualification

TYPE IN EXCEL and designate the cell with one word as qualification and paste in ROW SOURCE CELL

SUBITBUTTON

```
Private Sub CommonButton1_Click ()

Sheet1.Activate
Range("a1").End(xlDown).Offset(1,0).value = Range("a1").
                End(xlDown).value+1
Range("b1").End(xlDown).Offset(1,0).value = TextBox1.value
Range("c1").End(xlDown).Offset(1,0).value = TextBox2.value
Range("d1").End(xlDown).Offset(1,0).value = ComboBox1.value
If CheckBox1.value = True Then
Range("e1").End(xlDown).Offset(1,0).value = "YES"
```

BIT

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```
Else
Range ("e1").End (xlDaon). Offset (1,0). value = "NO"
End If
Unload Me
End Sub
```

RESET BOTTON

```
TextBox1. value = " "
TextBox2. value = " "
ComboBox1, value = " "
CheckBox1. value = False
```

CANCEL BOTTON

```
Unload Me
```

IN EXCEL SUBMIT BUTTON

```
Userform1. Show
```

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8. Goal Seek function

Percent → data → what if analysis → goal seek

Case 2.

Total marks → Data → what if analysis → goal seek
→ Set too value → By changing cell → ok

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3. Maximize and Minimize

a) Minimize

$Z = 2x1 + x2$ Subjected to

① $3x1 + x2 = 6$

② $4x1 + 3x2 \geq 6$

③ $x1 + 2x2 \leq 3$

④ $x1, x2 \geq 0$

1

formula:-

"= Sum (marks cell)"

Total marks * 100 / 500

Data → Solver → Set object → Min → By changing Cells (x1 & x2) → Sub of constraints → add LHS & RHS → OK → Solve → Solver results → OK

O/P

Objective function = 2.4

$x1 = 0.6$

$x_2 = 1.2$

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Maximize

$Z = 2x_1 + x_2$ Subjected to ① $3x_1 + x_2 = 3$

② $4x_1 + 3x_2 \geq 6$

③ $x_1 + 2x_2 \leq 3$

④ $x_1, x_2 \geq 0$

Data → Solver → Set object → Max → By changing cells (x_1 & x_2) → Sub of constraints → add → LHS & RHS → ok → solve → solver results → ok

o/p

objective function = 1.2

$x_1 = 0.6$

$x_2 = 1.2$