

Examples of the general Choice form: If-Else-Elseif

```
If cond then
```

```
  actions
```

```
.....  
:Elseif cond then
```

```
  actions
```

```
-----  
|Else
```

```
  actions
```

```
-----  
EndIf
```

```
-- Comment on top grades  
If (percent > 95) then  
  Output "Very good "  
EndIf
```

```
-- Check Divide  
If (denominator == 0) then  
  Output "Error, Divide by zero"  
EndIf
```

```
-- Absolute value of a  
If (a < 0) then  
  Set a = 0 - a  
EndIf
```

```
-- Report grade  
If (grade < Low_Limit) then  
  Output "Your grade is "  
  Outputln IntToStr (grade)  
  Outputln "Improvement needed!"  
EndIf
```

```
-- Direction of change  
If (first < second) then  
  Output "increasing "  
ElseIf (first > second) then  
  Output "decreasing "  
Else -- first equals second  
  Output "no change "  
EndIf
```

```
-- Maximum of two  
If (first > second) then  
  Set max = first  
Else  
  Set max = second  
EndIf
```

```
-- Price depends on quantity  
If (quantity == 1) then  
  Set price = 99  
ElseIf (quantity == 2) then  
  Set price = 95  
ElseIf (quantity <= 4) then  
  Set price = 90  
ElseIf (quantity < 6) then  
  Set price = 85  
Else -- half dozen or more  
  Set price = 75  
EndIf
```

```
-- Max and Min of two  
If (first < second) then  
  Set max = second  
  Set min = first  
Else  
  Set max = first  
  Set min = second  
EndIf
```

```
-- Test for increasing values  
If (a < b) and (b < c) then  
  Output "Increasing "  
EndIf
```

```
-- Percent range test  
If (pct < 0) or (pct > 100) then  
  Outputln "Error in percent "  
EndIf
```

```
-- Play Ball  
If ( (Inning <= 9) or (Score1 == Score2) ) and not Rain then  
  Outputln "Play Ball"  
EndIf
```