

✔ Congratulations! You passed!

Grade received 100% To pass 80% or higher

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1. To detect whether the values in cells **X1**, **Y1** and **Z1** are in ascending order (no ties allowed), the coding for giving an output "Ascending Order" could look like:

1 / 1 point

- ☒ =IF(AND(X1<Y1,Y1<Z1),"Ascending Order","")
- ☐ =IF(AND(X1<Y1,X1<Z1),"Ascending Order","")
- ☐ =AND(IF(X1<Y1,Y1<Z1),"Ascending Order","")
- ☐ =IF(OR(X1<Y1,Y1<Z1),"Ascending Order","")

✔ Correct

This is the correct answer.

2. To detect whether the cells **X1**, **Y1** and **Z1** contain a duplicate (2 or more cells with the same value), the coding for giving an output "Duplicate" could look like:

1 / 1 point

- ☒ =IF(OR(X1=Y1,Y1=Z1,X1=Z1),"Duplicate","")
- ☐ =IF(AND(X1=Y1,Y1=Z1),"Duplicate","")

✔ Correct

This is the correct answer.

3. To detect whether the cells **X1**, **Y1** and **Z1** contain **exactly 2 values** the same (e.g. **X1** and **Z1** are the same and **Y1** is different), the coding for giving an output "Duplicate" could look like:

1 / 1 point

- ☐ =IF(OR(AND(X1=Y1,Y1<>Z1),AND(Y1=Z1,X1<>Y1)),"Duplicate","")
- ☐ =IF(AND(X1=Y1,Y1=Z1),"Duplicate","")
- ☐ =IF(OR(X1=Y1,Y1=Z1),"Duplicate","")
- ☒ =IF(OR(AND(X1=Y1,Y1<>Z1),AND(Y1=Z1,X1<>Y1),AND(X1=Z1,X1<>Y1)),"Duplicate","")

✔ Correct

This is the correct response.