اللهم صلي وسلم وبارك علي سيدنا محمد وعلي اله وأصحابه أجمعين







ممم جداً

هذا الملف للمراجعة السريعة واخذ الملاحظات عليه فقط ،لانه يحتوي على اقل من 20٪ مما يتم شرحه في الفيديوهات الاستعجال والاعتماد عليه فقط سوف يجعلك تخسر كميه معلومات وخبرات كثيره

يجب عليك مشاهدة فيديو الدرس كاملا

لاتنسى عمل لايك ومشاركة القناة لتعم الفائدة للجميع لا تنسونا من دعائكم

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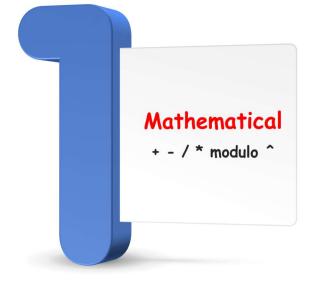
Mohammed Abu-Hadhoud







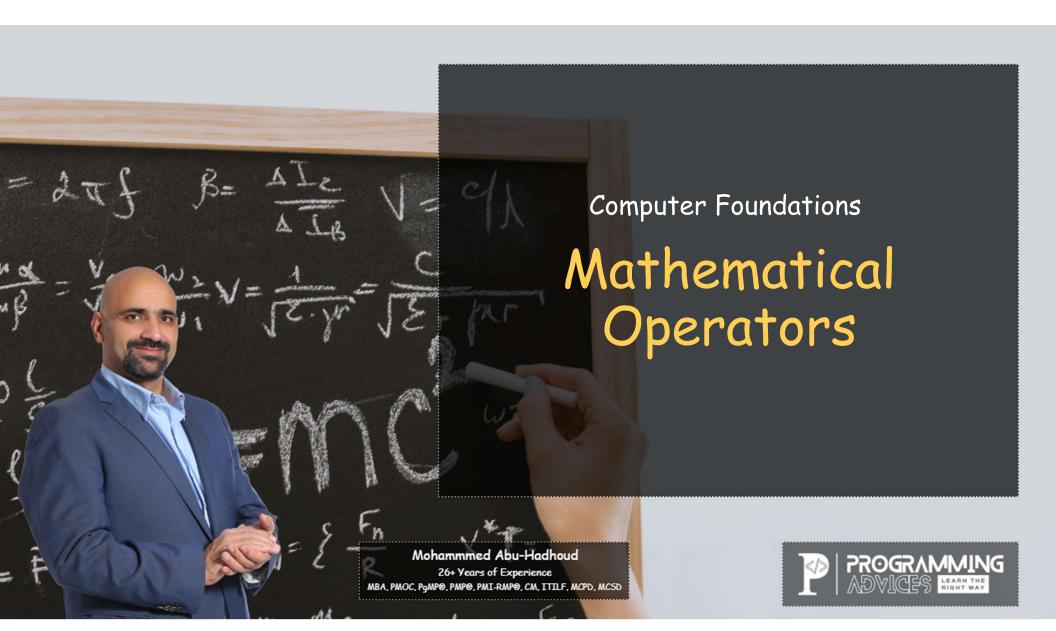
Operator Types











Mathematical Operators

Operator	Computer Symbol	Exam	ple
		Operation	Results
Addition	+	3.0 + 4.2	7.2
Subtraction	-	8.5 - 4.0	4.5
Multiplication	*	5 * 5	25
Integer Division	/	10 / 5	2
Modulo Division	Mod	9 Mod 4	1
Power	K ^	3^2	9

في بايثون بنستخدم 600 او او 600 ا

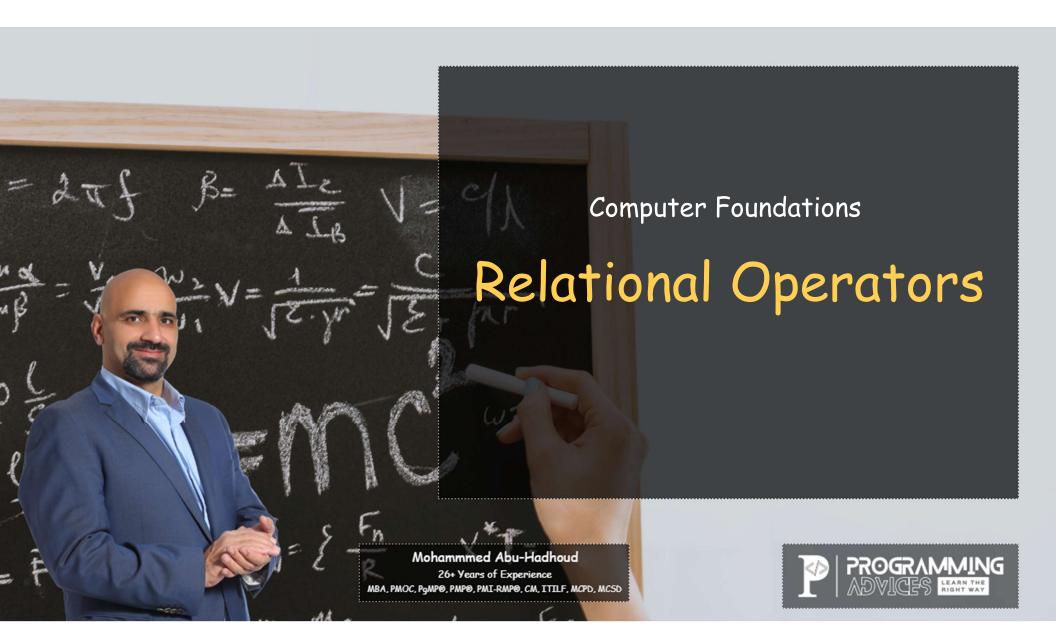


قلنا دي ف البرمجه بنستخدمها ك gate (xor) وكان ليها طريقه بنستخدمها ك wap مع الاسترنج برضو

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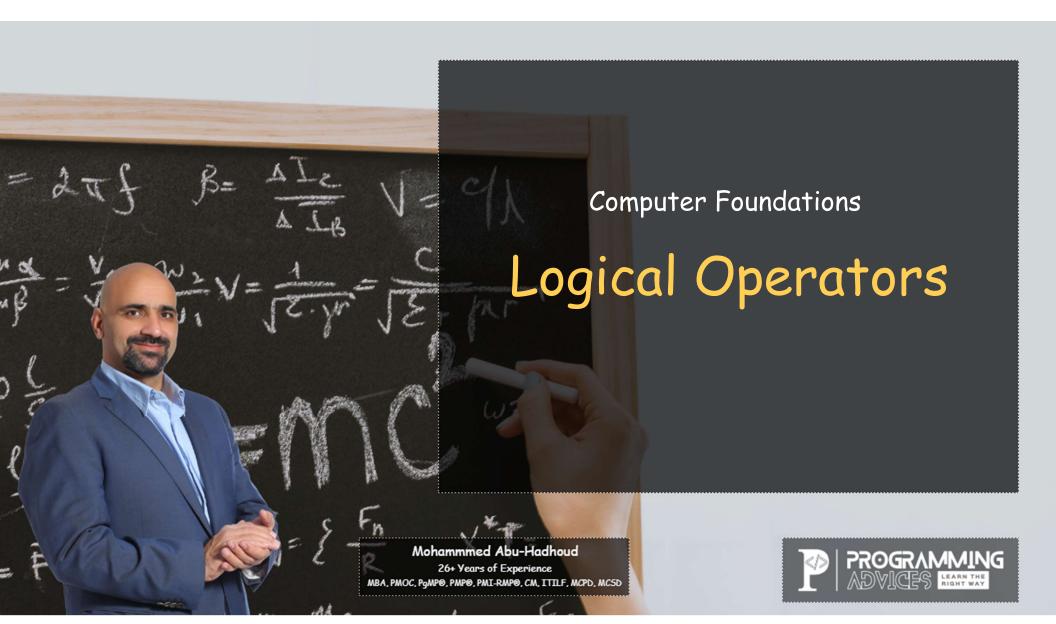
MBA, PMOC, PgMP®, PMP®, PMI-RMP®, CM, ITILF, MCPD, MC

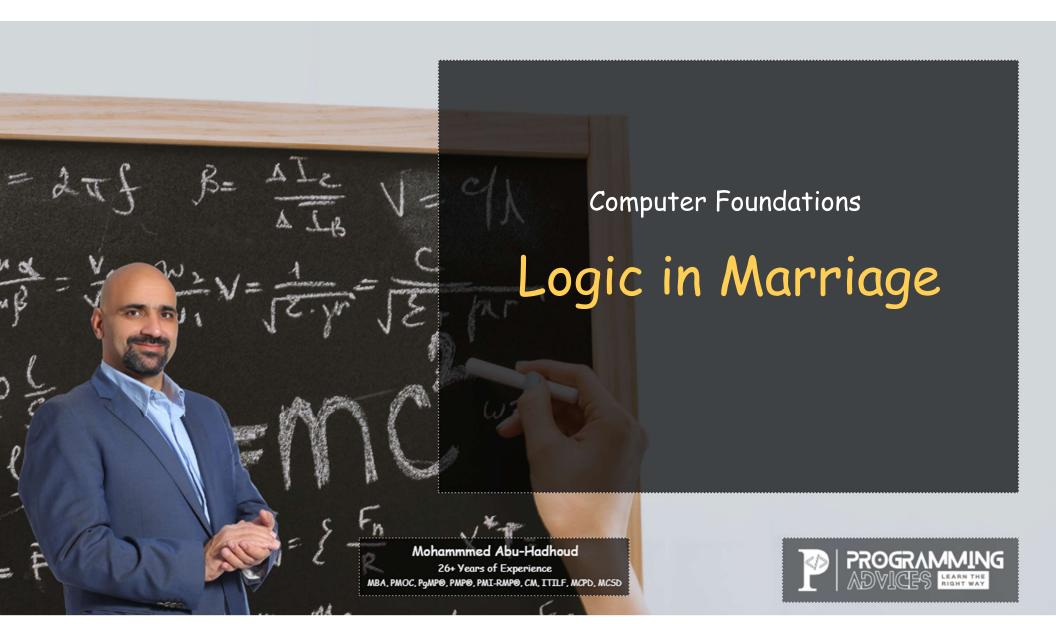


Relational Operators

Operator	Computer Symbol	Exc	ample
		Operation	Results
Equal to	=	5 = 7	False
Less than	<	5 < 7	True
Grater than	>	5 > 7	False
Less than or equal to	<=	5 <= 7	True
Grater than or equal to	>=	5 >= 7	False
Not equal to	<u> </u> = <>	5 ~ 7	True







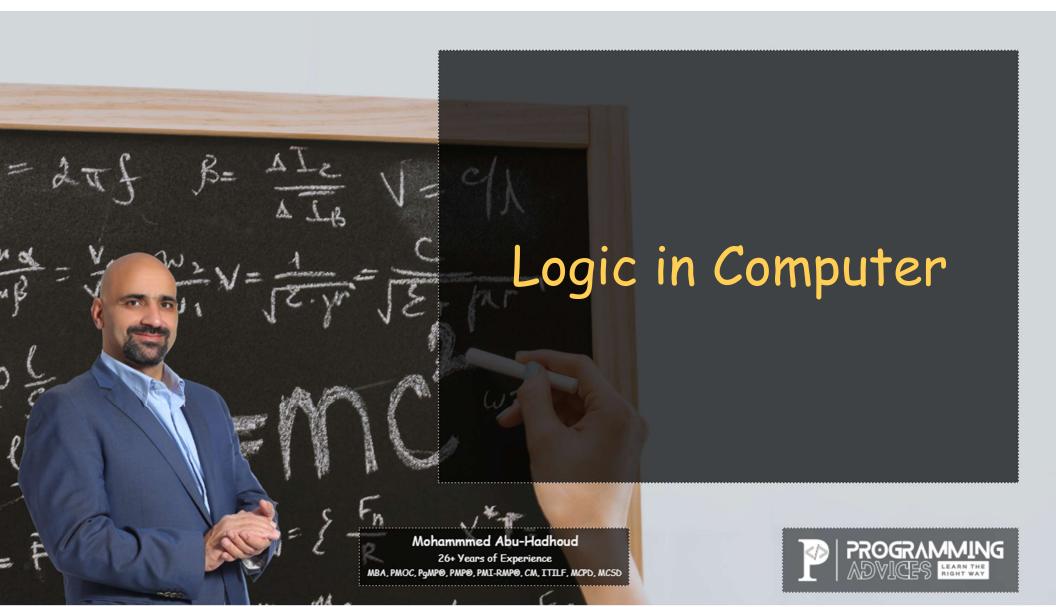
Logic in Marriage Life

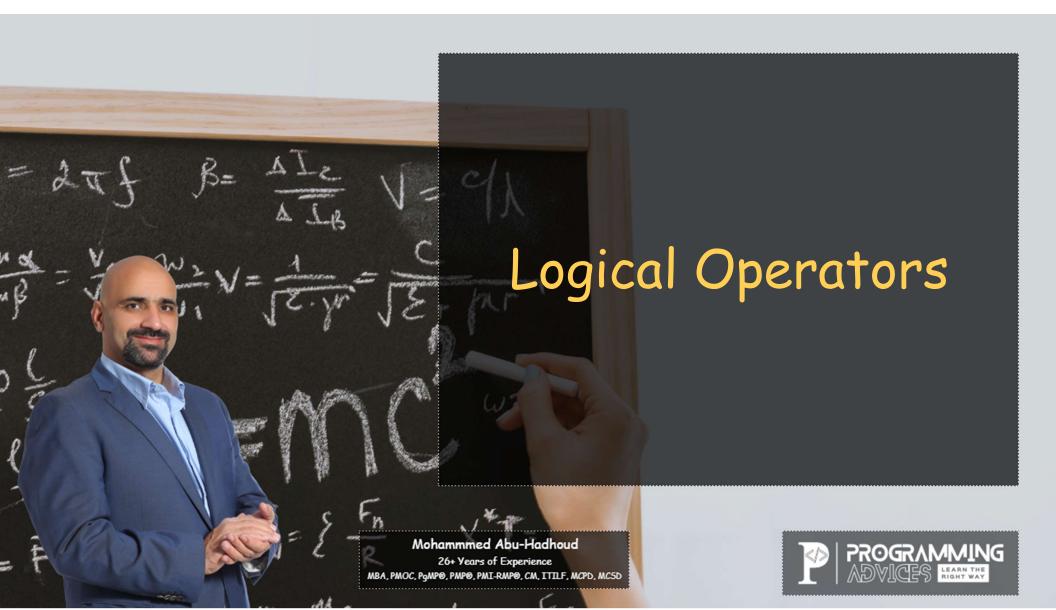
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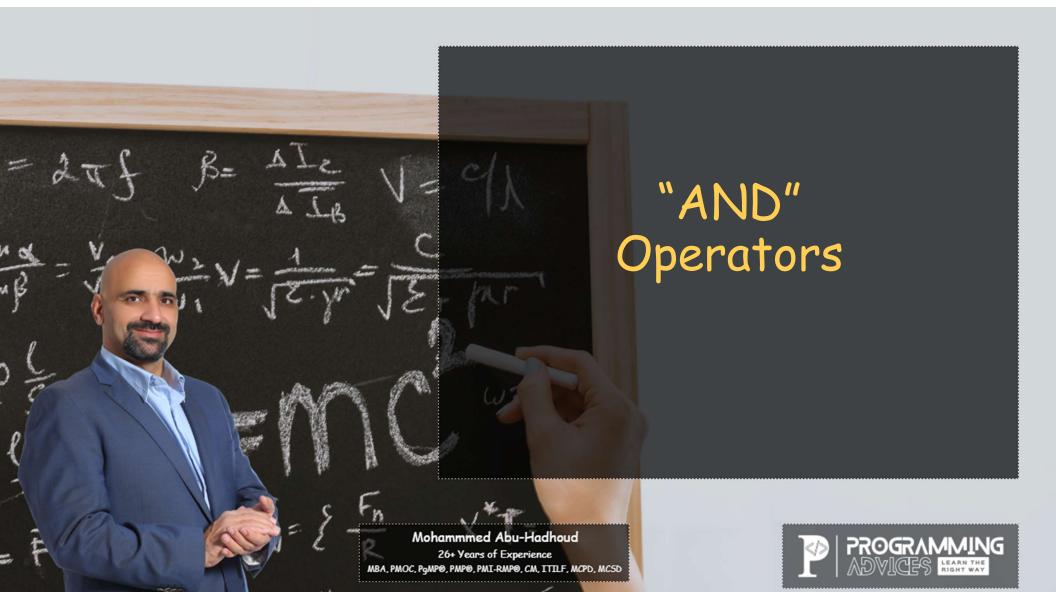


Husband	Wite	Result
True	False	True
True	True	True
False	True	True
False	False	True







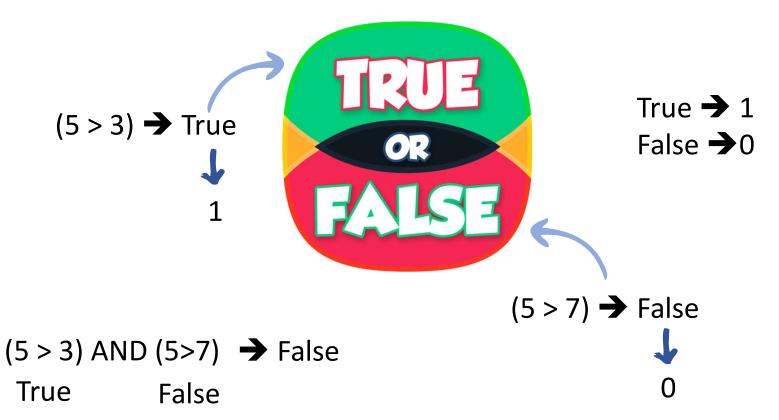


Logical Operators

Operator	Computer Symbol	Exam	ple
		Operation	Results
And	AND	True AND True	True
Or	OR	True OR False	True
Not	NOT	NOT True	False



Logical Operators





Practical Example to learn "AND" operator:

IF you wan to get hired you have to have all the following conditions:

- 1. Your Age must be >= 21 years
- 2. You should have a driver license.

This in computer means:

(Age>=21 AND HasDriverLicesne=True) Then will be hired



Logical "AND" Operator:

Condition A	Condition B	A AND B
Age	Has Driver License	
25 >= 21 → True	Yes → True	True
25 >= 21 → True	No → False	False
19 >= 21 → False	Yes → True	False
19 >= 21 → False	No→ False	False

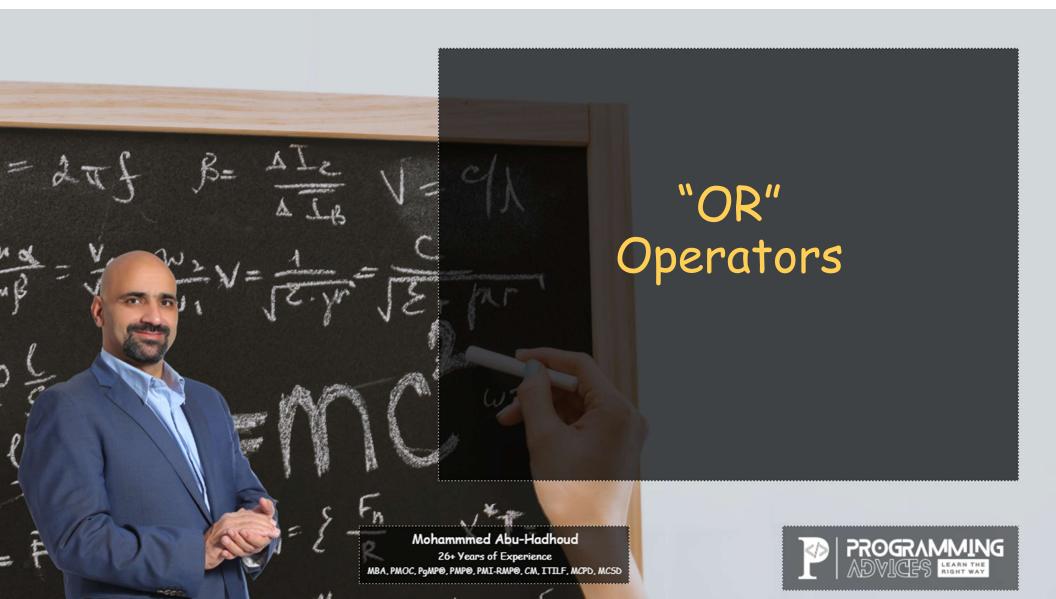


AND

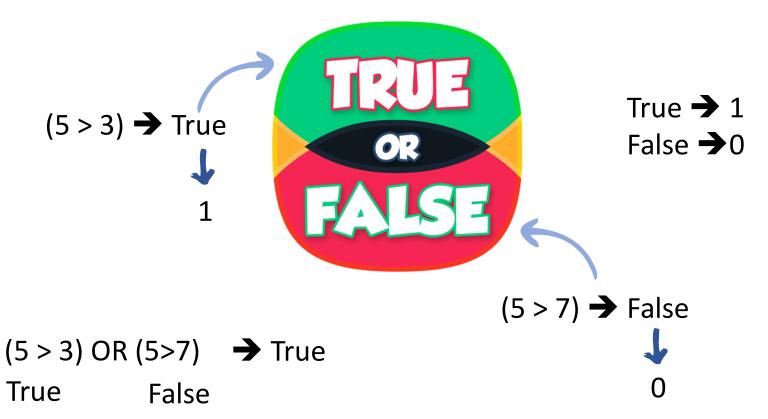
Any "False" in AND the result is False

A	В	A AND B
True	True	True
True	False	False
False	True	False
False	False	False

A	В	A AND B
1	1	1
1	0	0
0	1	0
0	0	0



Logical "NOT" Operators





Practical Example to learn "OR" operator:

IF you wan to get hired you have to have at least <u>One the following conditions</u>:

- 1. Your Age must be >= 21 years
- 2. You should have a driver license.

This in computer means:

(Age>=21 OR HasDriverLicesne=True) Then will be hired



Logical "OR" Operator:

Condition A	Condition B	A OR B
Age	Has Driver License	
25 >= 21 → True	Yes → True	True
25 >= 21 → True	No → False	True
19 >= 21 → False	Yes → True	True
19 >= 21 → False	No→ False	False



OR

A B A OR B True True True False True False True

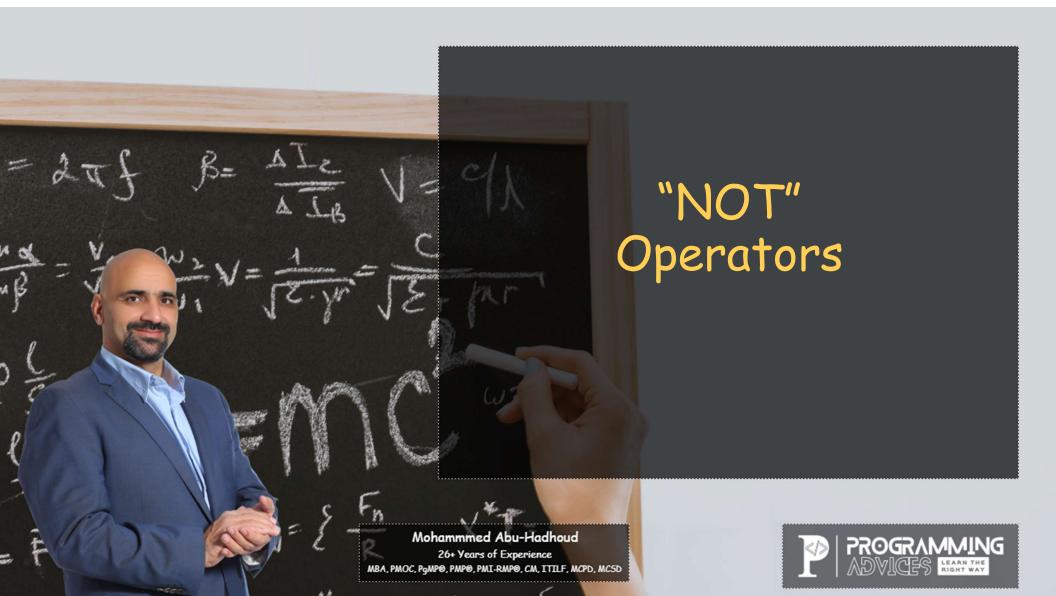
False

Any "True" in OR the result is True

A	В	A OR B
1	1	1
1	0	1
0	1	1
0	0	0

False

False

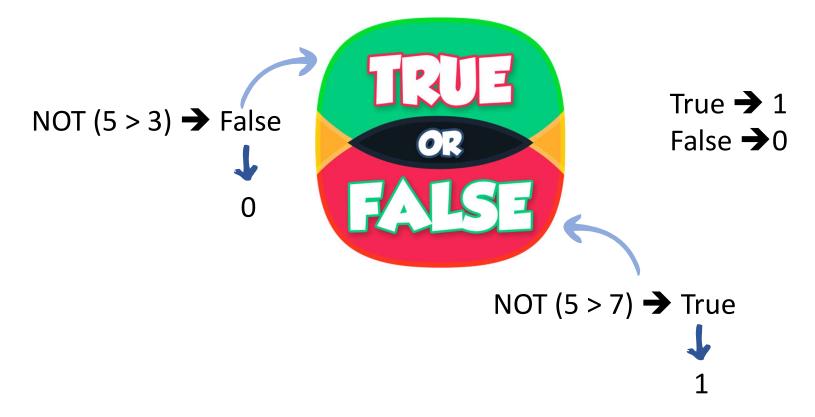


Logical "NOT" Operator:

Condition A	NOT A
True	False
False	True



Logical "NOT" Operators







Solve the following problems:

NOT (12 >=12)

1 AND 1

(7 = 7) and (7 > 5)

NOT (12 < 7)

True AND 0

(7 = 7) and (7 < 5)

8 < 6

NOT (8 < 6)

0 OR 1

(7 = 7) OR (7 < 5)

8 = 8

NOT (8 = 8)

0 OR 0

(7 < 7) OR (7 > 5)

12 <= 12

NOT (12 <= 12)

Not 0

NOT (7 = 7) and (7 > 5)

7 = 5

NOT (7 = 5)

Not (1 OR 0)

(7 = 7) and Not (7 < 5)



