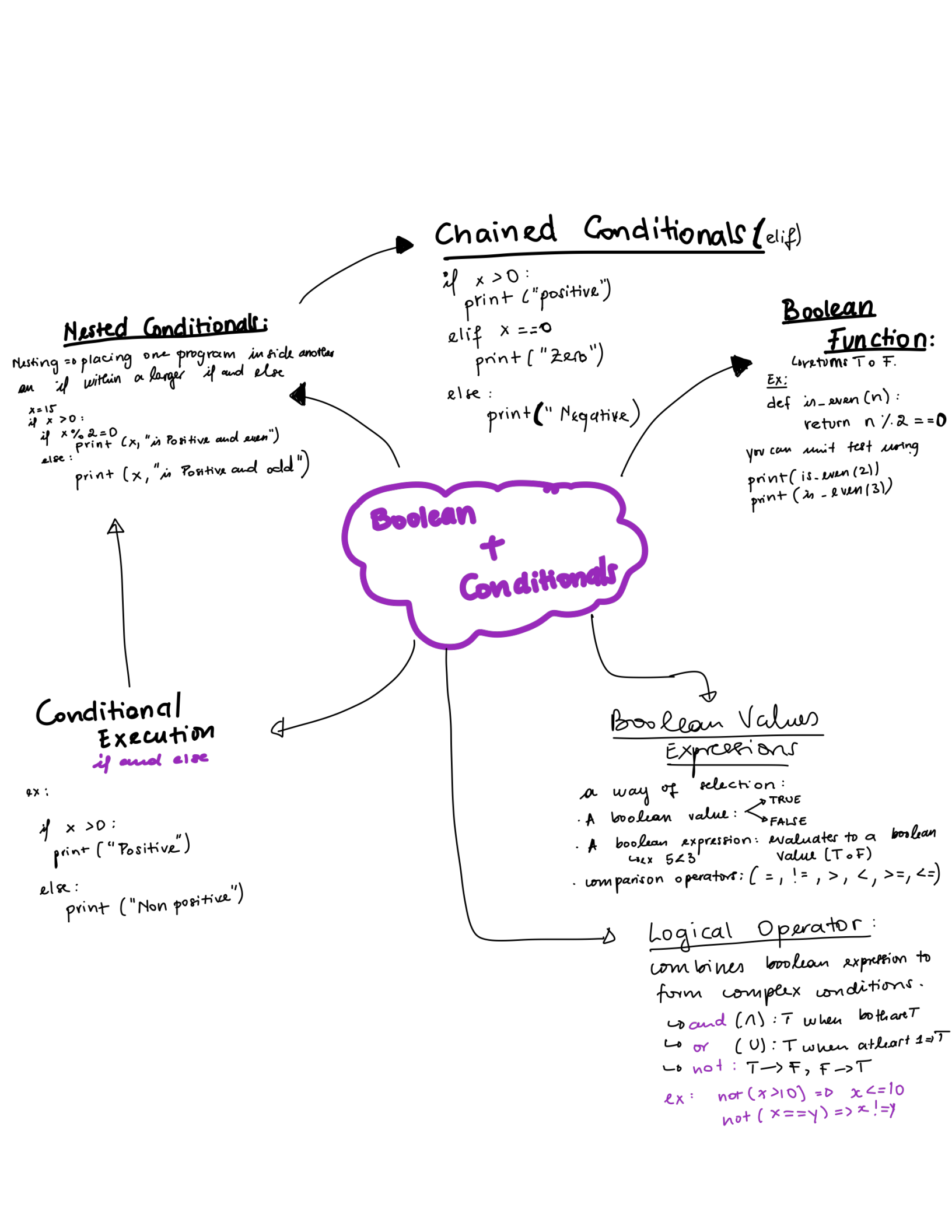
Boolean + Conditionals
Chained Conditionals (elif)
if x > 0:
print ("positive")
elif x == 0
print ("Zero")
else:
print ("Negative")
Nested Conditionals:
Nesting => placing one program inside another
an if within a larger if and else
x=15
if x > 0:
if x % 2 == 0
print (x, "is Positive and even")
else:
print (x, "is Positive and odd")
Boolean Function:
Returns T or F.
Ex:
def is_even(n):
return n % 2 == 0
you can unit test using
print(is_even(2))
print(is_even(3))
Conditional Execution
if and else
ex:
if x > 0:
print ("Positive")
else:
print ("Non positive")
Boolean Values
Expressions
a way of selection:
. A boolean value: TRUE / FALSE
. A boolean expression: evaluates to a boolean value (T or F)
ex 5<3
. comparison operators: (==, !=, >, <, >=, <=)
Logical Operator:
combines boolean expression to form complex conditions.
and (∧): T when both are T
or (∨): T when at least 1 = T
not: T -> F, F -> T
ex: not(x>10) => x<=10
not(x==y) => x!=y