PYTHON TEST - 1.10 (THE IF CONDITIONALS)

Total points 50/50 ❓

If Conditionals in Python

STUDENT NAME *

VIVA

✓ **1.** Which keyword is used for conditional branching in Python? *   1/1

○ a) switch

○ b) case

◉ c) if   ✓

○ d) when

✓ **2.** What is the correct syntax of an if statement in Python? *   1/1

◉ a) if (condition):   ✓

○ b) if condition then:

○ c) if condition {}

○ d) if: condition

3. Which of the following is valid? * 1/1

- ◉ a) if x > 5: print("Yes") ✓
- ○ b) if x > 5 then print("Yes")
- ○ c) if (x > 5) {print("Yes")}
- ○ d) if: x > 5 print("Yes")

4. In Python, else is used with: * 1/1

- ◉ a) if ✓
- ○ b) switch
- ○ c) case
- ○ d) loop only

5. What will be the output of: * 1/1

x = 10

if x > 5:

   print("Hello")

- ○ a) Error
- ○ b) Nothing
- ◉ c) Hello ✓
- ○ d) 10

✓ **6. Which is the correct if-else block?** * 1/1

○ a) if x > 0 print("Positive") else print("Negative")

○ b) if x > 0: print("Positive") else: print("Negative")

○ c) if (x > 0): print("Positive") else: print("Negative")

● d) Both b and c ✓

✓ **7. What is the output?** * 1/1

x = 5

if x == 5:

   print("Equal")

else:

   print("Not Equal")

○ a) Error

● b) Equal ✓

○ c) Not Equal

○ d) None

✓ **8. Which operator is mostly used in if condition?** * 1/1

○ a) Arithmetic

● b) Comparison ✓

○ c) Bitwise

○ d) Assignment

✓ 9. Which of the following can be used in an if condition? *   1/1

○ a) Boolean expression

○ b) Arithmetic expression

○ c) Logical expression

◉ d) All of these   ✓

✓ 10. What is the output? *   1/1

if 0:

   print("Yes")

else:

   print("No")

○ a) Yes

◉ b) No   ✓

○ c) Error

○ d) None

✓ 11. Which value is considered as False in an if condition? *   1/1

○ a) 0

○ b) None

○ c) "" (empty string)

◉ d) All of these   ✓

?

12. The elif keyword is short for: *   1/1

⦿ a) else if   ✓

◯ b) else for if

◯ c) else condition

◯ d) else nested if

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13. What is the output? *   1/1

x = 10

if x < 5:

    print("Low")

elif x == 10:

    print("Equal")

else:

    print("High")

◯ a) Low

⦿ b) Equal   ✓

◯ c) High

◯ d) Error

✓ **14.** Nested if means: * 1/1

○ a) Multiple if statements inside a loop

⦿ b) One if inside another if ✓

○ c) Multiple if on same line

○ d) All of these

✓ **15.** What will this output? * 1/1

x = 3

if x > 1:

    if x < 5:

      print("Yes")

○ a) Nothing

⦿ b) Yes ✓

○ c) Error

○ d) 3

✓ **16.** Which is invalid? * 1/1

○ a) if x > 0: print("Positive")

⦿ b) if x > 0: print("Positive") else: print("Negative") ✓

○ c) if x > 0: print("Positive") elif x == 0: print("Zero") else: print("Negative")

○ d) All are valid

✓ 17. Which is correct way to write if in one line? *   1/1

○ a) if x > 0 then print("Yes")

○ b) if (x > 0) {print("Yes")}

◉ c) if x > 0: print("Yes")   ✓

○ d) if x > 0 do print("Yes")

✓ 18. What is the output? *   1/1

x = 0

if x:

    print("True")

else:
    print("False")

○ a) True

◉ b) False   ✓

○ c) Error

○ d) 0

✓ 19. Which is correct? *   1/1

○ a) if x > 0 else print("Yes")

◉ b) print("Yes") if x > 0 else print("No")   ✓

○ c) print("Yes") if (x > 0) else: print("No")

○ d) if (x > 0): print("Yes") else print("No")

✓ **20.** The shorthand if-else in Python is called: * 1/1

○ a) conditional expression

○ b) inline if

○ c) ternary operator

◉ d) All of these ✓

✓ **21.** Which of the following is correct indentation for if? * 1/1

◉ a) if x > 0:print("Yes") ✓

○ b) if x > 0:print("Yes")

○ c) if (x > 0) {print("Yes") }

○ d) if x > 0 then:print("Yes")

✓ **22.** Which statement is invalid? * 1/1

○ a) if True: print("Yes")

○ b) if False: print("No")

○ c) if None: print("Hello")

◉ d) if "": print("Empty") ✓

23. Which of these can replace an if condition? * ✓ 1/1

◉ a) match-case ✓

◯ b) while loop

◯ c) try-except

◯ d) All of these

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24. What is the output? * ✓ 1/1

x = -5

if x:

 print("Non-zero")

◯ a) Error

◉ b) Non-zero ✓

◯ c) Nothing

◯ d) -5

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25. The condition inside an if must evaluate to: * ✓ 1/1

◯ a) Integer only

◯ b) Boolean only

◯ c) String only

◉ d) Any value (interpreted as True/False) ✓

26. Which symbol is used for equality check in if? * 1/1

- ○ a) =
- ● b) == ✓
- ○ c) :=
- ○ d) ===

27. Which will return True? * 1/1

- ● a) if "Hello": ✓
- ○ b) if 0:
- ○ c) if None:
- ○ d) if "":

28. Which keyword ends an if block? * 1/1

- ○ a) end
- ○ b) endif
- ● c) None (Python uses indentation) ✓
- ○ d) break

29. Which logical operators are often used with if? * — 1/1 ✓

◉ a) and, or, not ✓

○ b) &, |, ~

○ c) +, -

○ d) in, is

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30. What is the output? * — 1/1 ✓

x = 10

if x > 5 and x < 20:

   print("Valid")

○ a) Nothing

○ b) Error

◉ c) Valid ✓

○ d) 10

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31. What will this print? * — 1/1 ✓

if not 0:

   print("Yes")

◉ a) Yes ✓

○ b) No

○ c) Error

○ d) Nothing

✓ **32.** What is the output? *   1/1

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x = ""

if x:

   print("Not Empty")

else:

   print("Empty")
```

◉ a) Empty   ✓

○ b) Not Empty

○ c) Error

○ d) ""

✓ **33.** Which of these is equivalent? *   1/1

○ a) if x != 0

○ b) if not x == 0

○ c) if x > 0 or x < 0

◉ d) All of these   ✓

✓ **34.** Which will raise an error? *   1/1

○ a) if 1: print("Yes")

○ b) if "Python": print("Yes")

◉ c) if []: print("Yes")   ✓

○ d) if {1,2,3}: print("Yes")

35. What is the output? * 1/1

x = [1, 2]

if x:
    print("List is not empty")

○ a) Error

◉ b) List is not empty ✓

○ c) Nothing

○ d) [1, 2]

36. What is the output? * 1/1

x = None

if x:

    print("Yes")

else:

    print("No")

○ a) Yes

◉ b) No ✓

○ c) Error

○ d) None

✓ **37.** Which of the following is false in Python? * 1/1

○ a) 0

○ b) None

○ c) ""

◉ d) "0" ✓

✓ **38.** Which is valid? * 1/1

○ a) if x in [1,2,3]: print("Yes")

○ b) if x not in [1,2,3]: print("No")

○ c) if x is None: print("None")

◉ d) All of these ✓

✓ **39.** Which keyword can follow an if statement directly? * 1/1

○ a) else

○ b) elif

◉ c) both a and b ✓

○ d) None

✓ 40. Which type of statements are inside an if? *   1/1

◉ a) Suite/block statements   ✓

○ b) Function only

○ c) Class only

○ d) Loop only

✓ 41. What is the output? *   1/1

x = 5

if x % 2 == 0:

　print("Even")

else:

　print("Odd")

○ a) Even

◉ b) Odd   ✓

○ c) Error

○ d) None

✓ 42. What happens if indentation is wrong in if? *   1/1

○ a) Code runs anyway

◉ b) Gives IndentationError   ✓

○ c) Ignores it

○ d) None

43. Which is true about Python's if? * 1/1

○ a) It supports nesting

○ b) It supports multiple elif

○ c) It supports shorthand expression

◉ d) All of these ✓

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44. What is the output? * 1/1

x = 7

if x > 5:

    if x < 10:
       print("Yes")

◉ a) Yes ✓

○ b) No

○ c) Error

○ d) Nothing

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45. Which can replace multiple if-elif-else conditions? * 1/1

◉ a) match-case ✓

○ b) loop

○ c) try-except

○ d) return

✓ **46.** Can if work without else? * 1/1

◉ a) Yes ✓

◯ b) No

◯ c) Only in functions

◯ d) Only in loops

✓ **47.** What will this print? * 1/1

if True:

    print("Executed")

◯ a) Nothing

◯ b) Error

◉ c) Executed ✓

◯ d) None

✓ **48.** Which of these is NOT a correct condition? * 1/1

◯ a) if 1 == 1:

◯ b) if "Python" == "Java":

◯ c) if [1,2] == [1,2]:

◉ d) if {1,2} = {1,2}: ✓

49. Can if statement be empty? * 1/1

- ⦿ a) Yes, using pass ✓
- ○ b) No, must contain code
- ○ c) Only in functions
- ○ d) Only in loops

50. What is the output? * 1/1

if False:

    pass

else:
    print("Else executed")

- ○ a) Nothing
- ○ b) Error
- ⦿ c) Else executed ✓
- ○ d) pass

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