

1. Which of the following is the correct syntax for an if statement in Python?

A) if (x > y) then:

B) if x > y:

C) if x > y then:

D) if (x > y):

Answer: B

2. What will be the output of:

```
x = 5
```

```
if x > 3:
```

```
    print("Yes")
```

```
else:
```

```
    print("No")
```

A) No

B) Yes

C) Error

D) Nothing

Answer: B

3. Which keyword is used for decision making in Python?

A) switch

B) if

C) case

D) choose

Answer: B

4. What is the correct way to write an else-if ladder in Python?

A) if – elseif – else

B) if – else if – else

C) if – elif – else

D) if – elseif – end

Answer: C

5. What will be printed?

```
x = 10
```

```
if x == 10:
```

```
    print("Ten")
```

```
else:
```

```
    print("Not Ten")
```

A) 10

- B) Ten
- C) Not Ten
- D) Error

Answer: B

6. What is the output?

```
x = 5
```

```
if x != 5:
```

```
    print("Not equal")
```

```
else:
```

```
    print("Equal")
```

- A) Equal
- B) Not equal
- C) True
- D) False

Answer: A

7. Which of these operators can be used in if conditions?

A) =, !=, <=, >=

B) ==, !=, <, >

C) =, <>, !

D) ==, !=, >

Answer: B

8. What is the output?

```
x = 15
```

```
if x > 10 and x < 20:
```

```
    print("In range")
```

```
else:
```

```
    print("Out of range")
```

- A) In range
- B) Out of range
- C) Error
- D) None

Answer: A

9. Which of these is invalid in Python?

A) if x:

B) if not x:

C) if x = 5:

D) if x > 5:

Answer: C

10. What is the output?

x = 0

if not x:

 print("Zero")

else:

 print("Non-zero")

A) Zero

B) Non-zero

C) None

D) Error

Answer: A

11. Which logical operator is used for 'or' condition in Python?

A) ||

B) or

C) OR

D) |

Answer: B

12. Which logical operator is used for 'and' condition in Python?

A) &&

B) and

C) AND

D) &

Answer: B

13. What will be printed?

x = 7

if x % 2 == 0:

 print("Even")

else:

 print("Odd")

A) Even

B) Odd

C) Error

D) None

Answer: B

14. Which of these is valid nested if syntax?

A) if x > 0 then if y > 0:

B) if x > 0: if y > 0:

C) if (x > 0) { if (y > 0) }

D) if (x > 0): y > 0:

Answer: B

15. What is the output?

```
x = -1
```

```
if x:
```

```
    print("True")
```

```
else:
```

```
    print("False")
```

A) True

B) False

C) Error

D) None

Answer: A

16. What is the output?

```
x = ""
```

```
if x:
```

```
    print("Not Empty")
```

```
else:
```

```
    print("Empty")
```

A) Empty

B) Not Empty

C) None

D) Error

Answer: A

17. Which of the following is correct?

A) Python supports switch statements

B) Python supports match-case in newer versions

C) Python has only if-else, no switch

D) Both B and C

Answer: D

18. Which of the following can be used as condition in if?

- A) Only integers
- B) Only booleans
- C) Any expression returning True/False
- D) Only strings

Answer: C

19. What is the output?

```
x = None
```

```
if x:
```

```
    print("Has value")
```

```
else:
```

```
    print("No value")
```

- A) Has value
- B) No value
- C) None
- D) Error

Answer: B

20. What is the output?

```
x = [1,2,3]
```

```
if 2 in x:
```

```
    print("Found")
```

```
else:
```

```
    print("Not found")
```

- A) Found
- B) Not found
- C) Error
- D) None

Answer: A

21. Which operator is used for negation in Python?

- A) !
- B) not
- C) ~
- D) negate

Answer: B

22. What is the output?

```
x = True
```

```
if not x:
```

```
    print("False")
else:
    print("True")
```

- A) False
- B) True
- C) Error
- D) None

Answer: B

23. Which statement is valid?

- A) if (x > 5): print("Hi")
- B) if x > 5 print("Hi")
- C) if x > 5 then: print("Hi")
- D) if x > 5: then print("Hi")

Answer: A

24. Which of these is a ternary operator in Python?

- A) ?:
- B) if else
- C) ?: operator
- D) case

Answer: B

25. What is the output?

```
x = 10
print("Even") if x % 2 == 0 else print("Odd")
```

- A) Even
- B) Odd
- C) Error
- D) None

Answer: A

26. Which of these can replace multiple if conditions in Python 3.10+?

- A) case
- B) switch
- C) match-case
- D) choose

Answer: C

27. Which of these is valid?

A) if (x == 5): pass
B) if x = 5: pass
C) if x === 5: pass
D) if (x equal 5): pass
Answer: A

28. What is the output?

```
x = [ ]  
if x:  
    print("Not Empty")  
else:  
    print("Empty")
```

A) Empty
B) Not Empty
C) Error
D) None

Answer: A

29. What is the output?

```
x = "Python"  
if "on" in x:  
    print("Yes")  
else:  
    print("No")
```

A) Yes
B) No
C) Error
D) None

Answer: A

30. Which statement is true?

A) if can only check numbers
B) if can evaluate any expression
C) if cannot check strings
D) if must return Boolean

Answer: B

31. Which keyword is used to exit a block early?

A) break
B) pass

- C) exit
- D) return

Answer: A

32. What will happen?

if False:

```
    print("Hi")
```

else:

```
    print("Bye")
```

- A) Hi
- B) Bye
- C) Error
- D) None

Answer: B

33. Which of the following is correct?

- A) Python if must use parentheses
- B) Parentheses are optional in Python if
- C) Parentheses are required in Python 3
- D) Python if uses {}

Answer: B

34. What is the output?

```
x = 5
```

```
if x > 10:
```

```
    print("Greater")
```

```
elif x > 2:
```

```
    print("Between")
```

```
else:
```

```
    print("Smaller")
```

- A) Greater
- B) Between
- C) Smaller
- D) Error

Answer: B

35. Which of these can be used with if?

- A) continue
- B) break
- C) pass

D) stop

Answer: C

36. Which is correct?

A) if x > 0: print("Positive")

B) if x > 0 then: print("Positive")

C) if x > 0 => print("Positive")

D) if x > 0 do print("Positive")

Answer: A

37. Which keyword is used to skip execution inside a block?

A) skip

B) continue

C) pass

D) stop

Answer: C

38. What is the output?

```
x = 0
```

```
if x or 1:
```

```
    print("Yes")
```

```
else:
```

```
    print("No")
```

A) Yes

B) No

C) Error

D) None

Answer: A

39. Which of these is invalid?

A) if (x > 0):

B) if x > 0:

C) if x > 0 then:

D) if not x:

Answer: C

40. Which of the following evaluates to False?

A) if "":

B) if "Python":

C) if [1,2]:

D) if True:

Answer: A

41. Which operator is used for equality check?

A) =

B) ==

C) ===

D) equals

Answer: B

42. Which is valid shorthand if-else?

A) x if y else z

B) x else y if z

C) x ? y : z

D) choose(x,y,z)

Answer: A

43. Which is valid?

A) if True: print("Yes")

B) if True print("Yes")

C) if True then: print("Yes")

D) if True => print("Yes")

Answer: A

44. What is the output?

```
x = 10
```

```
if x > 5 and x < 20:
```

```
    print("Valid")
```

```
else:
```

```
    print("Invalid")
```

A) Valid

B) Invalid

C) Error

D) None

Answer: A

45. Which of these keywords is optional in Python if?

A) else

B) if

C) elif

D) pass

Answer: A

46. Which statement is correct?

A) if statements cannot be nested

B) Python supports nested if statements

C) Python if must be single line

D) Python if cannot use else

Answer: B

47. What is the output?

```
x = 3
```

```
if x > 0:
```

```
    if x < 5:
```

```
        print("Small positive")
```

```
    else:
```

```
        print("Large positive")
```

```
else:
```

```
    print("Negative")
```

A) Small positive

B) Large positive

C) Negative

D) Error

Answer: A

48. Which keyword is used to test multiple conditions?

A) elif

B) elseif

C) else if

D) case

Answer: A

49. Which of these is true about Python decision making?

A) Only integers allowed

B) Only booleans allowed

C) Any expression is allowed

D) Only strings allowed

Answer: C

50. What is the output?

```
x = 1
if x and 0:
    print("Yes")
else:
    print("No")
```

- A) Yes
- B) No
- C) Error
- D) None

Answer: B