Python Multiple Choice Questions (MCQs) and Answers

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Q31 In Python, which keyword is used to check additional conditions if the previous conditions fail?

A   elif

B   else if

C   then

D   switch

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Q32 What will happen if the condition in an if statement in Python evaluates to False?

A   The program will stop

B   It will execute the else block

(C) It will raise an error

(D) It will skip to the next if

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Q33 Which of the following is a valid conditional statement in Python?

(A) if a = 5:

B   if a == 5:

(C) if a <> 5:

(D) if (a = 5):

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Q34 What is the outcome if the elif and else blocks are missing in an if statement?

(A) Syntax error

(B) The program will stop

C   Nothing, it's optional

(D)

D   Runtime error

⊙ Report

Q35   What is the output of the following code?

```
x = 10;
if x > 5:
print("Greater")
```

A   Error

B   Greater

C   Nothing

D   Less

⊙ Report

Q36   What will the following code print?

```
x = 10;
if x < 10:
print("Less");
else:
print("Not Less")
```

A   Less

B   Not Less

(C) Error

(D) Nothing

View Answer   (!) Report

Q37   Pseudocode:

If age > 18,
print "Adult",
else
print "Minor"

A   Prints "Adult"

(B)   Prints "Minor"

(C)   Prints "Age"

(D)   No output

View Answer   (!) Report

Q38   Pseudocode:

Check if a number is divisible by 2,
if yes
print "Even",
otherwise
"Odd"

A   Prints "Even"

(B) Prints "Odd"

(C) Error

(D) No output

View Answer   (!) Report

Q39   Pseudocode: What is printed when the temperature is 25 degrees?

If temperature > 30,
print "Hot",
elif temperature > 20,
print "Warm",
else
"Cold"

(A) Prints "Hot"

B   Prints "Warm"

(C) Prints "Cold"

(D) No output

View Answer   (!) Report

Q40   Identify the error:

```
if x > 10
print("Greater")
```

(A) Missing parentheses around condition

(B) No error

C Missing colon after condition

(D) Incorrect comparison operator

View Answer   ⊘ Report

Q41 Find the mistake:

```
if x > 5:
print("Yes")
elif x < 10:
print("No")
```

(A) Syntax error in the if block

(B) Missing colon after elif

(C) Missing else between blocks

D No error

View Answer   ⊘ Report

Q42 What is the use of a for loop in Python?

A To repeat a block a fixed number of times

B To check a condition

C To declare variables

D To handle exceptions

View Answer   ! Report

Q43 Which statement immediately terminates a loop in Python?

A break

B continue

C exit

D stop

View Answer   ! Report

Q44 What does the continue statement do inside a loop?

A Pauses the loop

B Stops the loop

C   Skips the current iteration

D Exits the program

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Q45   In a while loop, what happens if the condition never becomes False?

A   The loop runs forever

B The loop stops after 10 iterations

C Syntax error

D The loop doesn't start

View Answer   ⊘ Report

Q46   What is the difference between a for loop and a while loop in Python?

A   for is used for fixed iterations

B while is faster than for

C for can't use conditional statements

(D) There is no difference

(!) Report

Q47 What is the output of the following code?

```
for i in range(3):
print(i)
```

A   "0 1 2"

(B) "1 2 3"

(C) "0 1 2 3"

(D) "Error"

(!) Report

Q48 What will the following code print?

```
i = 5;
while i > 0:
print(i);
i -= 1
```

A   5 4 3 2 1

(B) 5 4 3 2

(C) 1 2 3 4 5

(D) Infinite loop

⊘ Report

Q49   Pseudocode:

Set x = 10;
While x > 0,
decrement x by 1,
print x

(A) Prints numbers from 10 to 1

(B) Prints numbers from 1 to 10

C Prints numbers from 9 to 0

(D) Infinite loop

⊘ Report

Q50   Pseudocode:

For each element in list [1, 2, 3],
print element

A   Prints 1 2 3

B   Prints 3 2 1

C   Prints [1, 2, 3]

D   No output

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Q51   Pseudocode:

For numbers 1 to 5,
print number
if it's odd

A   Prints 1 3 5

B   Prints 2 4

C   Prints all numbers 1 to 5

D   No output

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Q52   Pseudocode:

For i = 0 to 4,
print "Python"
if i is even

A   Prints "Python" twice

B   Prints "Python" three times

(C)   Prints "Python" four times

(D)   No output

View Answer   ⊘ Report

Q53   Identify the error:
for i in range(5)
print(i)

A   Missing colon after range(5)

(B)   Missing parentheses around print

(C)   Syntax error in range

(D)   No error

View Answer   ⊘ Report

Q54   Find the mistake:

while True:
print("Looping");
break

(A)   Infinite loop

B   No error

(C)   The loop will never break

(D)   Incorrect use of print statement

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Q55   What is the main difference between a list and a tuple in Python?

(A)   Syntax

(B)   Data type

C   Mutability

(D)   Method of declaration

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Q56   How do you access the last element of a list named myList?

(A)   myList[0]

B   myList[-1]

C   myList[len(myList)]

D   myList[-2]

⊘ Report

Q57   In Python, how can you combine two lists, list1 and list2?

A   list1 + list2

B   list1.append(list2)

C   list1.combine(list2)

D   list1.extend(list2)

⊘ Report

Q58   What does myList[::-1] do?

A   Reverses myList

B   Copies myList

C   Removes the last element from myList

D   Sorts myList in descending order

Report

Q59   How is memory allocation for lists and tuples different in Python?

A   Lists use more memory than tuples

B   Tuples use more memory than lists

C   Both use the same amount of memory

D   Memory usage is random and unpredictable

Report

Q60   What will be the output of the following code?

```
myTuple = (1, 2, 3);
print(myTuple[1])
```

A   1

B   2

C   3

D   Error

Report
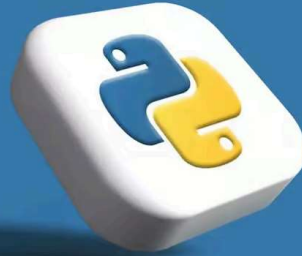
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