# Python Multiple Choice Questions (MCQs) and Answers

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Q61  What is the result of the following code?

```
myList = [1, 2, 3];
myList[1] = 4;
print(myList)
```

A  [1, 2, 3]

B  [1, 4, 3]

C  Error

D  [4, 2, 3]

View Answer          ! Report

Q62  Pseudocode:

Initialize list with values [1,2,3];
Add 4 to the end;
Print list

(A) Prints [1, 2, 3]

B Prints [1, 2, 3, 4]

(C) Error

(D) Prints [4, 1, 2, 3]

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Q63 Pseudocode:

Given a tuple (1,2,3),
print each element multiplied by 2

A Prints 2, 4, 6

(B) Prints 1, 2, 3

(C) Error

(D) No output

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Q64 Identify the error:

myList = [1, 2, 3];
myList.append(4)

A    Syntax error with the list declaration

B    append() method is used incorrectly

C    No error

D    Lists cannot contain integers

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Q65  Find the mistake:

myTuple = (1, 2, 3);
myTuple[1] = 4

A    Tuples are immutable

B    Wrong index used

C    Syntax error in tuple declaration

D    myTuple should be a list

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Q66  What is a dictionary in Python?

A    An ordered collection of elements

B    A mutable collection of key-value pairs

C    An immutable collection of items

D    A collection of unique elements

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Q67   How do you access the value associated with a key 'k' in a dictionary 'd'?

A    d('k')

B    d[k]

C    d.get('k')

D    All of the above

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Q68   What happens if you try to access a non-existent key 'k' in a dictionary 'd' using d[k]?

A    Returns None

B    Returns an empty string

C   Raises a KeyError

D   Creates a new key 'k' with value None

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Q69   How can you remove a key-value pair from a dictionary?

A   Using the del statement

B   Using the remove() method

C   Using the pop() method

D   Both A and C

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Q70   In Python 3.7 and later, how are elements in a dictionary ordered?

A   By the order they were added

B   In ascending order of keys

C   In descending order of keys

D   Randomly

! Report

Q71   What is the output of the following code?

```
d = {'a': 1, 'b': 2};
print(d['b'])
```

(A)  1

B    2

(C)  b

(D)  KeyError

! Report

Q72   What will be the result of the following code?

```
d = {'a': 1, 'b': 2};
d['c'] = 3;
print(len(d))
```

(A)  2

B    3

(C)  Error

D    1

⊘ Report

Q73  Pseudocode:

Initialize dictionary with {'a': 1, 'b': 2};
Update 'b' value to 3;
Print dictionary

( A )  Prints {'a': 1, 'b': 2}

  B    Prints {'a': 1, 'b': 3}

( C )  Error

( D )  No output

⊘ Report

Q74  Pseudocode:

Given a dictionary,
print each key-value pair

( A )  Prints keys only

( B )  Prints values only

  C    Prints key-value pairs

( D )  Error

( ! ) Report

Q75   Identify the error:
d = {['first']: 1, ['second']: 2}

( A )   Syntax error with the dictionary

  B    Lists can't be dictionary keys

( C )   No error

( D )   Dictionary keys must be strings

( ! ) Report

**Answer: Lists can't be dictionary keys**

**Explanation**

Lists cannot be used as dictionary keys because they are mutable. Dictionary keys must be immutable.

Q76   Find the mistake:

d = {'a': 1, 'b': 2};
print(d.get('c', 'Not Found'))

( A )   Syntax error in the dictionary

(B) get() method used incorrectly

(C) Key 'c' doesn't exist

D  No error

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Q77  What is a function in Python?

(A) A variable

(B) A module

C  A block of code

(D) An operator

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Q78  In Python, what is a module?

(A) A data type

(B) A built-in function

C  A file with definitions

D  A code block

⊘ Report

Q79  How do you import a module in Python?

A  using the import keyword

B  using the include keyword

C  using the require keyword

D  using the module keyword

⊘ Report

Q80  What is the difference between arguments and parameters in Python functions?

A  No difference

B  Parameters define, arguments call

C  Arguments define, parameters call

D  Based on data type

Q81   What will the following function return:

```
def example():
return 5+5
```

A   5+5

B   10

C   0

D   None

Q82   What is the output of this code:

```
def add(x, y):
return x + y;
print(add(3, 4))
```

A   3

B   4

C   7

D   Error

Q83  Pseudocode:

Define a function that multiplies two numbers and returns the result

(A) Returns sum

B  Returns product

(C) No return

(D) Syntax error

Q84  Pseudocode:

Function that checks if a number is positive, negative, or zero

A  Prints type of number

(B) Returns type of number

(C) No output

(D) Error

Q85   Identify the error:

```
def my_func(x, y):
return x + y;
my_func(1)
```

A    Missing argument

B    Syntax error

C    Logic error

D    No error

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Q86   Find the mistake:

```
import math;
print(math.sqr(4))
```

A    Incorrect module

B    Incorrect function name

C    Wrong number of arguments

D    No error

Hide Answer          ⊘ Report

**Answer: Incorrect function name**

**Explanation**

The correct function name is math.sqrt(), not math.sqr().

Q87   What is the purpose of the open() function in Python?

A   To read data from URL

B   To open a new Python file

C   To open a file

D   To create a Python module

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Q88   Which file mode in Python allows you to read and write to a file?

A   r+

B   w+

C   a+

D   rb+

**Q89** When using with open(file) as f, what does with do?

( A ) Ensures file is saved

B Automatically closes the file

( C ) Opens file in write mode

( D ) Reads entire file

**Q90** What does the following code do?

with open('file.txt', 'w') as file:
file.write("Hello World")

( A ) Reads from file.txt

B Writes "Hello World" to file.txt

( C ) Deletes file.txt

( D ) Creates a new file

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