



Test

Python Dictionaries - Test

Multiple Choice Questions (MCQs):

1. Which of the following is the correct syntax to create a dictionary in Python?

a)

`dict = {"name": "Alice", "age": 25}`

b)

`dict = ("name": "Alice", "age": 25)`

c)

`dict = ["name": "Alice", "age": 25]`

d)

`dict = "name": "Alice", "age": 25`

2. What will be the output of the following code?

```
my_dict = {"a": 1, "b": 2}
print(my_dict["a"])
```

a)

`"a"`

b)

`1`

c)

`2`

d)

`Error`

3. Which method is used to get all keys from a dictionary?

a)

`all_keys()`

b)

`getkeys()`

c)

`keys()`

d)

`items()`

4. What does the `get()` method do in dictionaries?

a) Adds a key-value pair

- b) Deletes a key-value pair
- c) Retrieves a value for a key
- d) Replaces the value for a key
5. Which of the following statements will add a new key-value pair to the dictionary `d`? `# Class 2`
- a) `d.add("key", "value")`
- b) `d["key"] = "value"`
- c) `d.insert("key", "value")`
- d) `d.append("key", "value")`
6. What is the result of the following code?

```
d = {"x": 10, "y": 20}
d["z"] = 30
print(d)
```

- a) `{"x": 10, "y": 20}`
- b) `{"z": 30}`
- c) `{"x": 10, "y": 20, "z": 30}`
- d) `Error`

Practical Questions:

1. Create a dictionary called `student` with the keys: "name", "age", and "grade". Assign appropriate values.
2. Add a new key "email" with a value to the `student` dictionary. `# Class 2`
3. Write a program to iterate over a dictionary and print each key and value.
4. Given the dictionary `marks = {"Math": 90, "Science": 85, "English": 88}`, write code to:
 - Print the value of "Science"
 - Update the value of "Math" to 95
 - Delete the key "English" `# Class 2`

5. Write a program to merge two dictionaries: # Class 2

```
dict1 = {"a": 1, "b": 2}
dict2 = {"c": 3, "d": 4}
```

6. Check if a given key exists in a dictionary and print an appropriate message.