

## S-ITWB415 BIT44 INTERNET LANGUAGES AND TOOLS 2 LEC 1st Sem ( 2024-2025 )

### Midterm Enabling Assessment 3 - Map

### Midterm Enabling Assessment - Maps

#### Submissions

Here are your latest answers:

#### Question 1

This method creates an unmodifiable hash-based map containing the entries of another map.

**Response:** Map.unmodifiable()

**Correct answer:** Map.unmodifiable()

**Score:** 1 out of 1 Yes

#### Question 2

The property which returns an inerrable of all entries in the map

**Response:** entries

**Correct answer:** entries

**Score:** 1 out of 1 Yes

#### Question 3

map.containsKey check if a specific key exists in the map.

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

#### Question 4

```
int? bananaValue = map['banana'];
```

**Response:** It assigns the integer value of the key 'banana' from the map to the variable bananaValue, which can also be null.

**Correct answer:** It assigns the integer value of the key 'banana' from the map to the variable bananaValue, which can also be null.

**Score:** 1 out of 1 Yes

#### Question 5

You can retrieve a value by its key using the bracket notation

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

#### Question 6

This property provides an iterable of all keys in the map.

**Response:** keys

**Correct answer:** keys

**Score:** 1 out of 1 Yes

#### Question 7

```
Map<String, int> map1 = Map();
```

**Response:** It creates an empty map that can hold String keys and int values.

**Correct answer:** It creates an empty map that can hold String keys and int values.

**Score:** 1 out of 1 Yes

## Question 8

This method creates an identity map with the default implementation, LinkedHashMap.

**Response:** Map.identity()

**Correct answer:** Map.identity()

**Score:** 1 out of 1 Yes

## Question 9

A Dart map is a collection of key-value pairs

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

## Question 10

In a Dart map, there is an infinite number of keys

**Response:** False

**Correct answer:** False

**Score:** 1 out of 1 Yes

## Question 11

```
Map<String, dynamic> sourceMap = {'one': 1, 'two': 2};  
Map<int, int> adaptedMap = Map.castFrom(sourceMap);
```

**Response:** It converts the keys of sourceMap to integers and maintains the values as integers.

**Correct answer:** It converts the keys of sourceMap to integers and maintains the values as integers.

**Score:** 1 out of 1 Yes

## Question 12

What does the Map.from() method do in Dart?

**Response:** It creates a new map with the same keys and values as another map.

**Correct answer:** It creates a new map with the same keys and values as another map.

**Score:** 1 out of 1 Yes

## Question 13

You cannot define a map with specific types for keys and values

**Response:** False

**Correct answer:** False

**Score:** 1 out of 1 Yes

## Question 14

This property checks whether the map is not empty.

**Response:** isEmpty

**Correct answer:** isEmpty

**Score:** 1 out of 1 Yes

## Question 15

This property checks whether the map is empty.

**Response:** isEmpty

**Correct answer:** isEmpty

**Score:** 1 out of 1 Yes

## Question 16

This property gives the number of key-value pairs in the map.

**Response:** length

**Correct answer:** length

**Score:** 1 out of 1 Yes

## Question 17

In Dart map each key has multiple value associated with it

**Response:** False

**Correct answer:** False

**Score:** 1 out of 1 Yes

## Question 18

This property returns an iterable of all values in the map.

**Response:** values

**Correct answer:** values

**Score:** 1 out of 1 Yes

## Question 19

Maps can grow or shrink dynamically

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

## Question 20

Maps are not iterable

**Response:** False

**Correct answer:** False

**Score:** 1 out of 1 Yes

## Question 21

The key-value pair system allows us to retrieve a value using its associated key

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

## Question 22

This method creates a new map and adds all entries from an iterable.

**Response:** Map.fromEntries()

**Correct answer:** Map.fromEntries()

**Score:** 1 out of 1 Yes

## Question 23

Keys are unique within the map.

**Response:** True

**Correct answer:** True

**Score:** 1 out of 1 Yes

## Question 24

This method creates a new map with the same keys and values as another map.

**Response:** Map.from()

**Correct answer:** Map.from()

**Score:** 1 out of 1 Yes

## Question 25

This method adapts the source map to be a map with a different type of keys and values.

**Response:** Map.castFrom()

**Correct answer:** Map.castFrom()

**Score:** 1 out of 1 Yes