1 .

Topic: Basics

Question:

Choose all correct statements. S1: Swift was developed by Apple Inc S2: Swift has file name extension as .swift S3: Swift is an alternative to the Objective-C language

A

S1 and S2

B

S1 and S3

C

S2 and S3

D

S1, S2 and S3

Answer and Explanation

2 .

Topic: Basics

Question:

Which among the following is not an Swift feature?

A

Tuples

B

Built in error handling

C

Generics

D

None of the above

Answer and Explanation

3 .

Topic: Basics

Question:

What is the file extension for Swift programs?

A

.s

B

.sw

C

.swift

D

.sp

Answer and Explanation

4 .

Topic: Basics

Question:

How to compile and run a script in one step?

A

$ swift filename.swift

B

$ swiftc filename

C

$ swiftc filename.swift

D

$ swift filename.s

Answer and Explanation

5 .

Topic: Basics

Question:

How to compile a script?

A

$ swift filename.swift

B

$ swiftc filename

C

$ swiftc filename.swift

D

$ swift filename.s

Answer and Explanation

6 .

Topic: Basics

Question:

Which command is used to get the current version of swift?

A

$ swift -version

B

$ swift --version

C

$ swift --v

D

$ swift --currentversion

Answer and Explanation

7 .

Topic: Variables and Properties

Question:

Which is a valid variable name in Swift?

A

Has unicode characters

B

Has whitespace

C

Has Mathematical Symbols

D

Has arrows

Answer and Explanation

Answer: AExplanation: Variable names can have letters, numbers, unicode characters. But they cant have whitespace characters, mathematical symbols, arrows, drawing characters.

8 .

Topic: Variables and Properties

Question:

Which among the following is a characteristic of Lazy Stored Procedures?

A

Have values that are not calculated until first accessed

B

lazy property is declared with lazy

C

Lazy stored properties must be declared with var

D

All of the above

Answer and Explanation

9 .

Topic: Variables and Properties

Question:

Choose the correct Statements: S1: computed properties are built with a getter and a setter. S2: computed properties are always variables and cant be constants. S3: computed properties store something on an object and affect its memory.

A

S1 and S2

B

S1 and S3

C

S2 and S3

D

S1, S2 and S3

Answer and Explanation

10 .

Topic: Variables and Properties

Question:

Which is not a property of type properties in Swift?

A

Type properties are properties on the type itself, not on the instance

B

type property is declared with static keyword

C

type property can be both stored or computed properties

D

type property is declared with type keyword

Answer and Explanation

11 .

Topic: Numbers

Question:

The built-in numeric types in Swift

A

Int4

B

Integer

C

UInt

D

Float16

Answer and Explanation

12 .

Topic: Variables and Properties

Question:

Which symbol is used to separate digits in numeric literals

A

Underscore (\_)

B

Dash(-)

C

Dot(.)

D

Rounded Brackets()

Answer and Explanation

13 .

Topic: Numbers

Question:

Choose the correct evaluated statement

A

round(-3.500) = -3

B

ceil(-3.999) = -3

C

floor(-3.001) = -3

D

Int(-3.999) = -4

Answer and Explanation

14 .

Topic: Variables and Properties

Question:

The supported architecture for round, ceil and floor in Swift is/are

A

32 bit architecture

B

64 bit architecture

C

Both 32 and 64 bit architecture

D

None of the above

Answer and Explanation

15 .

Topic: Numbers

Question:

What is the general form of Random number generation in Swift?

A

let number = min + arc4random\_uniform(max + min + 1)

B

let number = min + arc4random\_uniform(max , min + 1)

C

let number = min + arc4random\_uniform(max - min - 1)

D

let number = min + arc4random\_uniform(max - min + 1)

Answer and Explanation

16 .

Topic: Numbers

Question:

Which among the following throws runtime error in Swift?

A

Int8(-128)

B

Int8(128)

C

Int(-0.1)

D

Int8(-2)

Answer and Explanation

17 .

Topic: Strings and Character

Question:

Which special character doesn’t require escape sequence in order to use them in string literals?

A

the null character

B

a vertical tab

C

a double quote

D

dollar character

Answer and Explanation

18 .

Topic: Strings and Character

Question:

Which among the following is not true with respect to concatenation of strings in Swift?

A

Concatenate strings with the + operator to produce a new string

B

Can append a single character to a mutable String

C

Can append multiple characters to a mutable String

D

concatenation of strings is possible using += only not by using append method.

Answer and Explanation

19 .

Topic: Strings and Character

Question:

Which statements evaluates to true while checking the equal strings in swift?

A

"abc" == "def"

B

"abc" == "ABC"

C

"abc" == "abc"

D

"abc" ==="def"

Answer and Explanation

20 .

Topic: Strings and Character

Question:

Which method is used to check for prefix in Swift?

A

hasPrefix

B

isPrefix

C

isPart

D

has

Answer and Explanation

21 .

Topic: Strings and Character

Question:

Which method is used in String Iteration in Swift?

A

index(after:)

B

index.successor()

C

index.next()

D

index.forward()

Answer and Explanation

NOTE: For Version<3.0

22 .

Topic: Strings and Character

Question:

Which among the following operations are valid with respect to Strings in Swift? let string = "Super Power" S1: string[2] S2: string.characters[2]

A

S1 only

B

S2 only

C

Both S1 and S2

D

Neither S1 nor S2

Answer and Explanation

23 .

Topic: Strings and Character

Question:

Choose the correct expression

A

Int("123") returns error

B

Int("hello") returns nil

C

Int("10", radix: 2) returns 10 of Int type

D

Double("hello") returns hello

Answer and Explanation

24 .

Topic: Strings and Character

Question:

How to conver the given String to uppercase in Swift? Given let string = "HhEeLlLlOo"

A

string.uppercased()

B

string.upper()

C

string.uppercase()

D

string.toUppercase()

Answer and Explanation

NOTE: For Version 3.0

25 .

Topic: Strings and Character

Question:

Which are the Boolean Logical Operators used in Swift?

A

OR(||)

B

XOR(^^)

C

negate(~)

D

AND(&)

Answer and Explanation

26 .

Topic: Strings and Character

Question:

Which operator is used to negate a Bool in Swift?

A

!

B

~

C

NOT

D

!=

Answer and Explanation

27 .

Topic: Arrays

Question:

Which type are arrays in Swift?

A

object

B

value

C

string

D

only immutable

Answer and Explanation

28 .

Topic: Arrays

Question:

Which among the following array declarations is invalid?

A

var arrayOfStrings: [String] = []

B

let arrayOfUInt8s: [UInt8] = [2, 6, 8]

C

var arrayOfStrings = Array<String>()

D

var arrayOfStrings = [String]

Answer and Explanation

29 .

Topic: Arrays

Question:

Which of the following are supported by swift with respect to arrays?

A

Empty arrays

B

Arrays with repeated values

C

Multi-dimensional arrays

D

All of the above

Answer and Explanation

30 .

Topic: Arrays

Question:

How to define an array with repeated values?

A

let arrayOfStrings = Array(repeat: "Swift", 4)

B

let arrayOfStrings = Array(repeat: "Swift",count: 4)

C

let arrayOfStrings = Array(repeating: "Swift",count: 4)

D

repeated values not supported

Answer and Explanation

31 .

Topic: Arrays

Question:

Which method is used to extract values of a given type from an Array in Swift?

A

flatMap

B

extractMap

C

getValues

D

fetchValues

Answer and Explanation

32 .

Topic: Arrays

Question:

How to filter out nil from an Array transformation?

A

extractMap

B

filterMap

C

valueMap

D

flatMap

Answer and Explanation

33 .

Topic: Arrays

Question:

In the array color, how to remove "green" without knowing its index var color = ["red", "blue", "green", "yellow", "black"]

A

color.remove("green")

B

color.remove(at:2)

C

color.remove("2")

D

color.filter("green")

Answer and Explanation

NOTE: Swift 3

34 .

Topic: Arrays

Question:

Which among the following is false with respect to map in Swift?

A

used for transforming an array of A to array of B

B

Changes the type of array

C

iterates through array

D

populates a new array with the transformed elements

Answer and Explanation

35 .

Topic: Arrays

Question:

Which method is used to compare two arrays in swift?

A

compare

B

check

C

zip

D

reduce

Answer and Explanation

36 .

Topic: Arrays

Question:

Which of following array operations supported by Swift?

A

Sorting an Array

B

Grouping Array values

C

Finding the minimum or maximum element with a custom ordering

D

All of the above

Answer and Explanation

37 .

Topic: Arrays

Question:

Which of following methods are valid in Array operations in Swift? Given: var helloArray:[Int] = [1,2,3,4,5] S1: helloArray.indexOf(2) S2: helloArray.first S3: helloArray.min() S4: helloArray.append(6)

A

S1,S2 and S3

B

S1,S3 and S4

C

S2,S2 and S4

D

S1,S2,S3 and S4

Answer and Explanation

38 .

Topic: Tuples

Question:

Which among the following is the feature of tuple in Swift?

A

A tuple type is a comma-separated list of types, enclosed in parentheses.

B

The values within a tuple can be of any type

C

Tuples can be decomposed into individual variables

D

All of the above

Answer and Explanation

39 .

Topic: Tuples

Question:

Which among the following cant be done with respect to tuples in swift?

A

return from functions

B

use of typealias keyword to name the tuple type

C

swap the tuple values

D

Sort the tuple values

Answer and Explanation

40 .

Topic: Tuples

Question:

How to swap the given tuples in swift? var a = 0 var b = 1

A

(a, b) = (b, a)

B

a.swap(b)

C

swap(a,b)

D

(a)=(b)

Answer and Explanation

41 .

Topic: Enums

Question:

Which among the following is true with respect to Enum in Swift? S1: Enum cases can contain one or more associated values. S2: Enums can be recursive S3: Enums can have custom init methods S4: Enums can be nested

A

S1,S2 and S3

B

S1,S3 and S4

C

S1,S2 and S4

D

S1,S2, S3 and S4

Answer and Explanation

42 .

Topic: Enums

Question:

Which keyword makes the enum store its payload with a layer of indirection in Swift?

A

indirect

B

payload

C

inline

D

raw

Answer and Explanation

43 .

Topic: Enums

Question:

Choose the correct statements

A

Enums cant have custom init methods

B

Enum can be created using rawValue

C

Enums without any specific type expose the rawValue property

D

Enums without payloads cant have raw values of any literal type:

Answer and Explanation

44 .

Topic: Enums

Question:

How to get enum value's corresponding raw value?

A

.rawValue

B

.raw

C

.value

D

.getRawValue

Answer and Explanation

45 .

Topic: Enums

Question:

What doe the hash value of specific enum return?

A

index of the enum starting from one

B

index of the enum starting from zero

C

last index

D

difference of first and last index of the enum

Answer and Explanation

46 .

Topic: Enums

Question:

Which among the following is true with respect to enum's raw values in Swift? S1: Integer raw values are assumed to start at 0 S2: Integer raw values increase monotonically S3: Raw-valued enum automatically conforms to RawRepresentable S4: String raw values cant be synthesized automatically

A

S1,S2 and S3

B

S2 only

C

S2,S3 and S4

D

S1, S3 and S4

Answer and Explanation

47 .

Topic: Structs

Question:

Which keyword enables a method of a struct to change the value of the struct itself in swift?

A

mut

B

mutating

C

mutable

D

Nsmut

Answer and Explanation

48 .

Topic: Structs

Question:

Which is false with respect to structs in swift?

A

Structures can adopt protocols

B

structures are passed through copying

C

Structs can be inherited

D

Structures can be compared using identity operator

Answer and Explanation

49 .

Topic: Structs

Question:

When can mutating methods be used in structs?

A

Inside variables

B

Inside constants

C

When let keyword is used

D

All of the above

Answer and Explanation

50 .

Topic: Structs

Question:

Which of the following throws error in swift with respect to structs?

A

class MyView: NSView { }

B

struct MyInt: Int { }

C

struct Vector: Hashable { ... }

D

None of the above

Answer and Explanation