

Time left 0:12:02

Question 1

Not yet answered

Marked out of 1.00

Flag question

To compose two functions that return Result, with different error types we can:

- ☒ a. Use case expressions
- ☒ b. Use Result.andThen
- ☐ c. Use Result.mapError
- ☐ d. Use Result.map

Time left 0:09:25

Question 3

Not yet answered

Marked out of 1.00

Flag question

Function composition operator `>>` takes as first parameter a  and second parameter a  and returns a .

The pipeline operator `|>` takes as parameter first parameter a  and second parameter a  and returns a .

Note: first parameter is on the left hand side of the operator and second parameter is on the right hand side of the operator.

5

10

Time left 0:08:21

Question 4

Not yet  
answered

Marked out of  
1.00

Flag question

To transform the value that is inside the Ok variant of Result, we can:

- ☐ a. Use the Result.transform function
- ☒ b. Use a case expression
- ☐ c. Use the Result.withDefault function
- ☒ d. Use the Result.map function

n 2

ed

out of

question

The result of the following expression is:

```
type alias Point = {a: Int, b: Int}
```

```
points = [{a = 1, b = 3}, {a = 2, b = 4}, {a = 3, b = 3}]
```

```
da : List Point -> List Point
```

```
da ps = ps |> List.map (\p -> { p | a = p.a + p.b })
```

```
db : List Point -> List Point
```

```
db ps = ps |> List.map (\p -> { p | b = p.b + p.a })
```

```
points |> db |> da |> List.map .b |> List.foldl (+) 0
```

Answer:

16

## Question 6

Not yet  
answeredMarked out of  
1.00

Flag question

Given the following definitions:

```
type CalculationError = FirstNaN | SecondNaN
```

```
divNums : Float -> Float -> Result CalculationError Float
```

```
divNums a b =
```

```
  if isNaN a then
```

```
    Err FirstNaN
```

```
  else if isNaN b then
```

```
    Err SecondNaN
```

```
  else
```

```
    Ok (a / b)
```

If we want to write a function that calls `divNums` and returns `Result String Float`, we have the following options:

- ☒ a. Use `Result.map`
- ☒ b. Use `Result.mapError`
- ☒ c. Use `Result.withDefault`
- ☒ d. Use a case expression to transform the error

Time left 0:03:54

## Question 8

Not yet  
answeredMarked out of  
1.00

Flag question

Given the following definitions:

```
inc x = x + 1
```

```
dec x = x - 1
```

```
double x = x * 2
```

```
twice f x = f (f x)
```

What does the expression below evaluate to?

```
(twice (dec >> double >> inc)) 3
```

Answer:

9

Time left 0:06:59

Question 5

Not yet answered

Marked out of 1.00

Flag question

Given the following function definition:

$f\ x\ a\ b = x\ |>\ a\ |>\ b\ |>\ b$

The result of the following expression is:

$f\ 3\ (\lambda x \rightarrow x + 5)\ (\lambda x \rightarrow x * 2)$

Answer: 32 ✓

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Question 10

Not yet answered

Marked out of 1.00

Flag question

Given the following function definition:

$f\ a\ b\ x = x\ |>\ b\ |>\ a$

The result of the following expression is:

$f\ (\lambda x \rightarrow x + 2)\ (\lambda x \rightarrow x * 3)\ 2$

Answer: 12 8

Question 10

Not yet answered

Marked out of 1.00

Flag question

Given the following function definition:

$f\ a\ b\ x = x\ |>\ b\ |>\ a$

The result of the following expression is:

$f\ (\lambda x \rightarrow x + 2)\ (\lambda x \rightarrow x * 3)\ 2$




Answer: 12 8

Given the following definitions:

`xs = [2, 1, 3]`

Select the expression(s) which will produce the following result:

`[1, 2, 3]`

-  a. `List.sort xs`
- ☐ b. `xs |> List.sort |> List.reverse`
-  c. `List.reverse xs |> List.sort`
-  d. `List.sort <| List.reverse <| xs`

Given the following function definition:

`f x a b = a <| b <| x`

The result of the following expression is:

`f 2 (\x -> x * 2) (\x -> x + 3)`

Answer:

10 ✓

The result of the following expression is:

```
type alias Point = {a: Int, b: Int}
```

```
points = [{a = 1, b = 3}, {a = 2, b = 4}, {a = 3, b = 3}]
```

```
da : List Point -> List Point
```

```
da ps = ps |> List.map (\p -> { p | a = p.a + p.b })
```

```
db : List Point -> List Point
```

```
db ps = ps |> List.map (\p -> { p | b = p.b + p.a })
```

```
points |> db |> da |> List.map .b |> List.foldl (+) 0
```

Answer:


16



In the context of functions used for testing HTML, select the functions that belong to the `Html.Test.Selectors` module

- ☒ a. tag
- ☒ b. text
- ☐ c. class
- ☐ d. equal
- ☐ e. has

In the context of Elm web apps, the `Msg` type represents:

-  a. All possible actions that can cause the app to change its state
- ☐ b. The messages a users send in chat apps
- ☐ c. The state of the app
- ☐ d. The difference between two states of the app

[Clear my choice](#)



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Finish attempt ...

Time left 0:12:11

### Question 2

Not yet answered

Marked out of 1.00

Flag question

Given the following definitions:

```
type DivError = DivByZero

divNums : Int -> Int -> Result DivError Int
divNums a b =
  if a == 0 then
    Err DivByZero
  else
    Ok (b // a)
```

The type of the following expressions is:

divNums 2 10  > Result.mapError (\_ -> "Division by zero!")	Choose... int
divNums 2 10  > Result.andThen (divNums 2)	Choose... ???
divNums 2 10	Choose... int

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Finish attempt ...

Time left 0:07:17

Question 7  
Not yet answered  
Marked out of 1.00  
Flag question

The function countVowels can be rewritten using pipelines as:

countVowels s = List.length (List.filter isVowel (List.map Char.toLowerCase s))

- ☒ a. countVowels s = s |> List.map Char.toLowerCase |> List.filter isVowel |> List.length ✓
- ☐ b. countVowels s = List.map Char.toLowerCase <| List.filter isVowel <| List.length <| s
- ☒ c. countVowels s = List.length <| List.filter isVowel <| List.map Char.toLowerCase <| s ✓
- ☐ d. countVowels s = s |> List.length |> List.filter isVowel |> List.map Char.toLowerCase

TEST-2 ELM--din-Lab 5,6,7

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L09-Synopsis

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7	8	9	10		

Finish attempt ...

Time left 0:12:20

### Question 1

Not yet answered

Marked out of 1.00

Flag question

Select all the true statements about the Elm runtime:

- ☒ a. Compiles Elm code to HTML files
- ☒ b. Handles communication with servers
- ☒ c. Handles communication with the browser
- ☐ d. Is an optional component that makes it easier to debug Elm apps

TEST-2 ELM--din-Lab 5,6,7

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L09-Synopsis

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## Quiz navigation



[Finish attempt ...](#)

Time left 0:06:21

### Question 8

Not yet answered

Marked out of 1.00

[Flag question](#)

Select all the **true** statements:

- ☒ a. Record accessors can be composed with function composition
- ☐ b. Records use nominal typing
- ☒ c. Elm has "built-in" definitions for all possible record accessors
- ☐ d. The type of the accessor .a is  $\{a : b\} \rightarrow b$

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## Quiz navigation



[Finish attempt ...](#)

Time left 0:06:21

### Question 8

Not yet answered

Marked out of 1.00

[Flag question](#)

Select all the **true** statements:

- ☒ a. Record accessors can be composed with function composition
- ☐ b. Records use nominal typing
- ☒ c. Elm has "built-in" definitions for all possible record accessors
- ☐ d. The type of the accessor .a is  $\{a : b\} \rightarrow b$

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