

The result of

Question 10

Complete

Mark 0.00 out of 1.00

Flag question

?

The result of the following expression is:

type alias Point = {x: Int, y: Int}

points = [{x = 1, y = 2}, {x = 2, y = 4}, {x = 3, y = 5}]

mx : Int -> List Point -> List Point

mx d ps = ps |> List.map (\p -> { p | x = p.x + d })

my : Int -> List Point -> List Point

my d ps = ps |> List.map (\p -> { p | y = p.y + d })

points |> mx 1 |> my 2 |> List.map .x |> List.foldl (+) 0

Answer:

mx → {x=2, y=2},
{x=3, y=4},
{x=4, y=5},
my → {x=2, y=4},
{x=3, y=6},
{x=4, y=7}

2 + 3 + 4 = 9

Question 1

Complete

Mark 1.00 out of 1.00

Flag question

To get the value that is inside the Just variant of Maybe or provide a default value, we can:

- ☐ a. Use the Maybe.unwrap function
- ☐ b. Use an if expression
- ☒ c. Use the Maybe.withDefault function
- ☒ d. Use a case expression

Your answer is correct.

Question 2

Complete

Mark 0.00 out of 1.00

Flag question

The following code snippet:

```
view = div [] [style "color" "red", text "Some text"]
```

- ☐ a. Will render the text "Some text" with red color
- ☐ b. Will generate invalid HTML that causes the browser to show an error
- ☒ c. Will render the text "Some text" with black color, because the style is not applied correctly
- ☒ d. Will fail to compile

Your answer is incorrect.

To get the value, the following code snippet

to compose two , function composition operator

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

Question 4

Not yet
answered

Marked out of
1.00

Flag question

Time left 0:08:21

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:

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:

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



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

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 fo

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

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 ...

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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	Result String int
divNums 2 10 > Result.andThen (divNums 2)	Choose... ???	Result DivError Int
divNums 2 10	Choose... int	Result DivError int

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Finish attempt ...

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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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Question 1

Not yet answered

Marked out of 1.00

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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

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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 $\{a : b\} \rightarrow b$

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

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Quiz navigation



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Question 8

Not yet answered

Marked out of 1.00

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Select all the **true** statements:

- ☐ a. Record accessors can be composed with function composition
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- ☐ d. The type of the accessor .a is $\{a : b\} \rightarrow b$

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