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moodle-cs-utcn

🔔 💬 Vasile-Cristian Cristea

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Question 4

Not yet answered

Marked out of 1.00

🚩 Flag question

Consider the function defined below. If when defining this function, we are unsure what to write for the Green variant case, what should we replace `<blank>` with, so that the code compiles?

```
type Color = Red | Green | Blue
colorToHexString : Color -> String
colorToHexString color =
  case color of
    Red -> "FF0000"
    Green -> <blank>
    Blue -> "0000FF"
```

☐ a. Don't write anything, the code will compile

☐ b. _

☐ c. We are forced to write something returning a String in that clause

☒ d. Debug.todo "fill in this color code later"

Time left 0:10:56

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9°C Fog 8:17 AM 10/31/2022

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Question 9

Not yet answered

Marked out of 1.00

Flag question

List.all ($\lambda x \rightarrow x < 30$) (List.foldr (:) [] [25,7,100])

- ☐ a. True : Bool
☐ b. Error
☒ c. False : Bool

Time left 0:06:43

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Question 10

Not yet answered

Marked out of 1.00

🚩 Flag question

Given the following definitions:

type Color = Black | White | Orange

type Model = Logan | Duster | Sandero

type Car = Car Model Color

The cardinality of Car is:

Answer:

Time left 0:04:46

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What will the following call evaluate to? `howBig 2`

```
howBig n = if n < 10 then "Small" else if n < 100 then "Medium"
```

- ☐ a. Nothing, because of a runtime error
- ☐ b. "Medium"
- ☒ c. Nothing, because of a compile time error
- ☐ d. "Small"

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Question 7

Not yet answered

Marked out of 1.00

Flag question

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In the definition of `numberToMedal`, what does the wildcard `(_)` pattern match?

```
numberToMedal : Int -> String
```

```
numberToMedal n =
```

```
  case n of
```

```
    1 -> "Gold"
```

```
    2 -> "Silver"
```

```
    3 -> "Bronze"
```

```
    _ -> "Tin"
```

- ☐ a. Any integer.
- ☐ b. Any number.
- ☐ c. Any value.
- ☒ d. Any integer besides 1, 2, 3.

Clear my choice

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Question 3

Not yet answered

Marked out of 1.00

Flag question

Wrong option of using records in Elm

- ☐ a. specify the record in the function signature
- ☒ b. specify a field in the function signature
- ☐ c. let Elm infer the structure of the record

Clear my choice

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Question 2

Not yet answered

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Flag question

Match the functions with their corresponding recursion type. Choose Head (non-tail) or Tail.

add a b = if b == 0 then a else add (a+1) (b-1)

Tail



add a b = if b == 0 then a else 1 + add a (b-1)

Head



add a b s = if (b == 0) then s + a else if (a==0) then s + b else add (a-1) (b-1) (s+2)

Tail



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