Started on	Tuesday, 25 April 2023, 2:10 PM
State	Finished
Completed on	Tuesday, 25 April 2023, 2:16 PM
Time taken	6 mins 1 sec
Marks	4.00/4.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Care este rezultatul următoarei expresii?

```
take 5 $ zip (iterate (+1) 0) (repeat 'a')
```

Select one:

a. `[(4,'e'),(3,'d'),(2,'c'),(1,'b'),(0,'a')]`

b. `[(4,'a'),(3,'a'),(2,'a'),(1,'a'),(0,'a')]`

c. `[(0,'a'),(1,'a'),(2,'a'),(3,'a'),(4,'a')]` ✔

d. `[(0,'a'),(1,'b'),(2,'c'),(3,'d'),(4,'e')]`

Răspunsul dumneavoastră este corect.

The correct answer is: `[(0,'a'),(1,'a'),(2,'a'),(3,'a'),(4,'a')]`

Question **2**

Correct

Mark 1.00 out of 1.00

Care este tipul următoarei expresii Haskell?

```
map (: []) $ map (\x -> if x then 'a
    ' else 'b') [True]
```

Select one:

a. `[Char]`

b. `[Bool]`

c. `Tipul nu se poate sintetiza.`

d. `[[Char]]` ✔

Răspunsul dumneavoastră este corect.

The correct answer is: `[[Char]]`

Question **3**

Correct

Mark 1.00 out of 1.00

Care este tipul expresiei:

```
map $ *2
```

Select one:

a. `Expresia produce eroare` ✔

b. `Num a => [a] -> [a]`

c. `Num a => (a -> a) -> [a] -> [a]`

d. `Num a, Num b => (a -> b) -> [a] -> [b]`

Răspunsul dumneavoastră este corect.

The correct answer is: `Expresia produce eroare`

Question **4**

Correct

Mark 1.00 out of 1.00

Cum puteți rescrie funcția de mai jos folosind list comprehensions?

```
func = filter (> 0) . map ((+ 1) . head)
```

Select one:

a.
```
func ls = [x | l <- ls, let x = 1 + head l, x > 0]
```
✔

b.
```
func ls = [x | l <- ls, let x = head l, x + 1 > 0]
```

c.
```
func ls = [x + 1 | l <- ls, let x = head l, x > 0]
```

d.
```
func ls = [x + 1 | x <- ls, x > 0]
```

Răspunsul dumneavoastră este corect.

The correct answer is:
```
func ls = [x | l <- ls, let x = 1 + head l, x > 0]
```

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