Unit 3 - Week 2: Lists, Strings, Tuples

Assignment 2

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

1) What is the type of the following list?
   - NIL
   - [1,2]
   - [True, False]
   - [1][2]
   - []
   - [()]
   - Type error
   - []
No, the answer is incorrect.
Score: 0
Accepted Answers:
NIL

2) Suppose l1 and l2 are defined as follows:
   l1 = filter (not) [True, False, True, False]
   l2 = [x | x < 0..2..10, odd x]
   What is the value of l1 == l2?
   - True
   - False
   - Type error
   - 1
No, the answer is incorrect.
Score: 0
Accepted Answers:
Type error

3) Given below is an incomplete definition for computing the reverse of a list. Complete the code by filling in the blanks.

```haskell
rev [] = []
rev (f : x:xs) = __________
```

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: List a) in

4) What is the value of the function \( f \) defined below?

```haskell
f :: [Int] -> Int
f = length \( \cdot \) \( \cdot \) \( \cdot \)
\( f \) where \( i \) = [32, 28, 3, 24, 6, 20, 9, 17, 2, 13, 5, 9, 8, 6, 1, 2, 4, 5]
```

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) in

5) Given below is an incomplete definition for the function \( t \). Complete the code by filling in the blanks.

```haskell
take n !
    | n <= 0 || null l | = []
    | otherwise | = __________
```

Hint

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: List a) in

Due on 2019-09-11, 23:59 IST.