https://eduassistpro.github.io/
(and her friend Ama
Add WeChat edu_assist_pro

Contents

- Miranda/Aman
- Miranda demonst https://eduassistpro.github.io/
- Legal names and bin
- Types and type checking a WeChat edu_assist_pro
- Simple functions

Miranda / Amanda

- Miranda will run on U
- For Windows, yenttps://eduassistpro.github.io/
- Amanda is a PC version of Miranda
- Amanda is almost (but not quitt) the same as Miranda!
 Get it from the link on Woodle although it hasn't been cested on assist pro

Miranda Installation on OS X

Assignment Project Exam Help • OS X's System Integrity Protection (SIP) feature (El Capitan +) prevents changes to /usr (but not

- OS X's System Integrity Protection (SIP) feature (El Capitan +) prevents changes to 7usr (but not /usr/local).
- Miranda installs in ttps://eduassistpro.github.io/
 - ▶ (i) force install
 - (ii) disable SIP, install Miranda in the standard place, then re-enabl
- The first way is better it doesn't resurre reporting & Cand there is so and the re-enable SIP. But the procedure is stigntly ugly it
 - tar xpf mira-2044-x86_64-Darwin.tar -C /usr/local
 - sudo In -s /usr/local/usr/local/bin/mira /usr/local/bin/mira

Miranda Demonstration

- Interpretive envir
- Simple use as a https://eduassistpro.github.io/ Simple definition
- intermediate code that is interpreted)
- Main definition Athe Juntion Welled "main" is special in Amanda bussist_pro
 Define and use functions

Miranda Demonstration

- Similar to the Lambda Calculus Assignment Project Exam Help
- But (inside a program file) you can give names to expressions

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• Also give names to functions (no lambdas!) Also give names to functions (no lambdas!)

$$inc x = x + 1$$

 $main = inc 56$

- VER Amessängnment Project Exam Help
- Example :

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|| a simple definition for some text

Adder Same Conhataedu an assist_pro

inc x = x + 1 || another c

Legal names

- ▶ NAME = EXPRESSION
- functioname arg
- * Binds a https://eduassistpro.github.io/
- - ★ Scope of argname is the function body (only)
- * Nested scopes (see later) permit nested bindings for the same nam λ-calculus upper struction to the structure of the struc
- Names MUST NOT start with a capital letter
 - ▶ and thereafter may contain uppercase and lowercase characters, numbers and underscores

Types

- Data can be, for exa
 - Numbers (42) ittps://eduassistpro.github.io/

 - ► Truth values (True) is of type bool
 - ► Functions are of type argtype -> resulttype. E.g. the f

- Types help organia and the better edu assist pro
- Helps detect errors the type system is a debugger

- Performed at com
- Checks that operate type://eduassistpro.github.io/
- On the command line you can ask "what type is this?"
- In a program you can specify "this is a Boolean value" etc.
 If types are not given drunds will be the pure that EEC you strom the second s used

Tuples

- A simple data struct
 ("Sheila Bloggs" nttps://eduassistpro.github.io/
- (34, True) is of type (num, bool)
- (34, True) DOES NOT EQUAL (True, 34)
 ("increment", (A1) (h) We type (atr) on thum assist pro

Simple Functions

```
inc:: num -> num
inc x = x + 1

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|| the hello function
hello:: num -> [char]
hello x = "good morting" iff x WeChat edu_assist_pro
= "goodbye" obtain WeChat edu_assist_pro
```

Summary

- Miranda/Aman
- Miranda demonshttps://eduassistpro.github.io/
- Comments
- Legal names and binding
- Types and type Acted WeChat edu_assist_pro
- Tuples
- Simple functions

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