2

Doxygen 1.9.1

1　　　2

"　"
-17-2

'
, , 2020-2021 ..
17

https://gaurapanasenko.github.io/unilab_opt/IIS_Lab2/html/index.html.

https://github.com/gaurapanasenko/unilab/tree/master/08/IIS_Lab2

1.1

, ,　　1 (.　),　　　　　.　　　　,　　.　　.　,　　, : 1-
2-
3-
4-
5-

1.2

Visual Prolog v5.2.　　　"Easywin",　　　.　　　.　　　.

```
1. Fill the database :]
2. Save the database :D
3. Load the database *_*
4. Find my grand father!!! >:[
5. Exit B-]
Write filename.
"C:\test.txt"
1. Fill the database :]
2. Save the database :D
3. Load the database *_*
4. Find my grand father!!! >:[
5. Exit B-]
Type your grandfather predicate.
"Andrew"
Elijah
1. Fill the database :]
2. Save the database :D
3. Load the database *_*
4. Find my grand father!!! >:[
5. Exit B-]
Bye :-]
yes
```

1.3

Visual Prolog v5.2,   ,   .

2

2.1

.

3

3.1   lab3.pro

3.2   lab3.pro

```
00001 /*****************************************************************************
00002
00003       Copyright (c) My Company
```

```
00004
00005  Project:  LAB2
00006  FileName: LAB2.PRO
00007  Purpose: No description
00008  Written by: Visual Prolog
00009  Comments:
00010 *****************************************************************************/
00011
00012 include "lab2.inc"
00013
00014 global database
00015 parent(symbol A, symbol B)
00016 female(symbol A)
00017 male(symbol A)
00018
00019 predicates
00020
00021   lab2()
00022 show_menu()
00023 input_tovar()
00024 menu()
00025 fill_database()
00026 nondeterm task(char X)
00027 nondeterm fill_by_type(char X)
00028 nondeterm grandfather(symbol A,symbol B)
00029
00030 clauses
00031
00032 grandfather(A,B) :- %18
00033     male(B),
00034     parent(B, C),
00035     parent(C, A).
00036   show_menu:-
00037     write("1. Fill the database :)\n",
00038          "2. Save the database :D\n",
00039          "3. Load the database *_*\n",
00040          "4. Find my grand father!!! >:[\n",
00041          "5. Exit B-)\n"),!.
00042
00043   menu:- show_menu,input_tovar.
00044
00045   fill_by_type(X) :- X='1',
00046     write("Write father name.\n"),readterm(symbol, A),
00047     write("Write child name.\n"),readterm(symbol, B),
00048     assert(parent(A,B)),!.
00049   fill_by_type(X) :- X='2',write("Write name.\n"),readterm(symbol, A),assert(male(A)),!.
00050   fill_by_type(X) :- X='3',write("Write name.\n"),readterm(symbol, A),assert(female(A)),!.
00051   fill_by_type(X) :- X=X,write("You must choose one of 1-3.\n"),fill_database.
00052
00053   fill_database :-
00054     write("Choose type of predicate:\n",
00055          "    1. Parent\n",
00056          "    2. Male\n",
00057          "    3. Female\n"),readchar(X),fill_by_type(X),!.
00058
00059   task(X) :- X='1',fill_database,menu.
00060   task(X) :- X='2',write("Write filename.\n"),readterm(symbol, A),save(A),menu.
00061   task(X) :- X='3',write("Write filename.\n"),readterm(symbol, A),consult(A),menu.
00062   task(X) :- X='4',write("Type your grandfather predicate.\n"),readterm(symbol, A), grandfather(A,B), write(B, "\n"),
          menu.
00063   task(X) :- X='5',write("Bye :-)\n"),!.
00064   task(X) :- X=X,write("Bad value, try again!\n"),menu.
00065
00066   input_tovar:-readchar(X),task(X),!.
00067
00068   lab2():-menu,!.
00069
00070 goal
00071
00072   lab2().
```

3.3   mainpage.dox