**HUGS 98-Tan muSaobis safuZvlebi**

HUGS 98 integrirebuli garemos gaSvebisas ekranze Cndeba programaTa daproeqtebis am saSualebis (ingl. integrated an development environment) dialoguri fanjara.

Semdeg avtomaturad itvirTeba Haskell enis tipebis winaswari

gansazRvrebebisa da standartul funqciaTa aRweris specialuri

Prelude.hs faili. მოდულს Prelude ზოგჯერ უწოდებენ „სტანდარტულ პრელუდიას“, ვინაიდან მისი შინაარსი განისაზღვრება Haskell 98–ის სტანდარტით.

bolos ki gamoCndeba standartuli mowveva samuSaod.

programaTa daproeqtebis integrirebuli garemos dialoguri

fanjara Seicavs sistemis mTavar menius.

aqvea Rilakebis nakrebi swrafi SeRwevisaTvis gansakuTrebiT xSi-

rad gamosayenebel brZanebebsa da konsolSi, sadac mimdinareobs in-

terpretatorTan muSaoba.

sagangebod unda aRiniSnos, rom integrirebuli garemo ar iZleva

programis kodebis Semcveli failebis Seqmnisa da redaqtirebis sa-

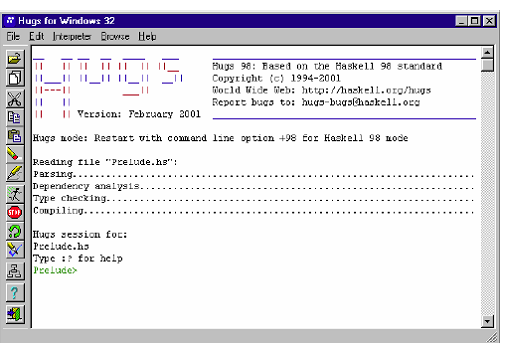
Sualebas, amitom saWiroa nebismieri teqsturi redaqtoris gamoye-

neba, romelsac SeuZlia, Cveulebriv, TXT standartTan muSaoba.

aseT redaqtorad miniSnebis gareSe SeTanxmebis safuZvelze,

Cveulebriv, gamoiyeneba nebismieri versiis Windows-is kargad

cnobili Notepad bloknoti.



sur. 1. HUGS 98 integrirebuli garemos mTavari fanjara

HUGS 98-is mTavari fanjara (sur. 1) uzrunvelyofs integrirebuli garemos yvela brZanebis misawvdomobas, romlebic programaTa

interpretaciisaTvis da gasamarTad gamoiyeneba.

garda amisa, integrirebuli garemo saSualebas iZleva gamoviZaxoT

redaqtirebisaTvis gaxsnili modulebi Windows operaciuli sistemis nebismieri versiis Notepad teqsturi redaqtoris standartul fanjaraSi.

**HUGS 98-is instrumentebis paneli**

instrumentebis panelze, romelic mTavari dialoguri fanjris

marcxena svetia, ganTavsebulia Rilakebi. maTi meSveobiT SeiZleba

im brZanebis gamoZaxeba, romelic gansakuTrebiT xSirad gamoiyeneba

programis damuSavebis procesSi (cxadia, HUGS 98 integrirebuli

garemos damproeqteblis da ara saboloo momxmareblis

TvalsazrisiT). qvemoT mocemulia yvela im Rilakis mokle aRwera,

romlebic instrumentebis panelzea ganTavsebuli. isini sul

ToTxmetia

- **modulis CatvirTva gare failidan**. es Rilaki saSualebas iZ-

leva avirCioT da gavxsnaT faili, saidanac xdeba interpre-

tatoris mier am failSi napovni yvela modulis CatvirTva.

-**modulis menejeris gamoZaxeba.** modulis menejeri saSualebas

iZleva davumatoT, gavauqmoT da gavasworoT integrirebuli

garemos mexsierebaSi CatvirTuli programuli moduli.

-**moniSnuli teqstis amoWra.** es operacia teqstis redaqtire-

bis standartuli funqciaa. axorcielebs redaqtoridan moni-

Snuli teqstis amoRebas da mis moTavsebas operaciuli sistemis

gacvlis buferSi.

**-moniSnuli teqstis piris Seqmna gacvlis buferSi.** es Rilaki

teqstis redaqtirebis standartul funqcias aRniSnavs. am Rilakis meSveobiT SesaZlebelia moniSnuli teqstis piris Seqmna da misi moTavseba operaciuli sitemis gacvlis buferSi.

 - **teqstis Casma gacvlis buferidan.** es operacia teqstis re-

daqtirebis standartuli funqciaa. teqstSi, romlis redaq-

tirebac xdeba, aTavsebs operaciuli sistemis gacvlis buferis

SigTavss.

- **arCeuli teqstis gasufTaveba**. es operacia teqstis redaqti-

rebis standartuli funqciaa, igi axorcielebs moniSnuli

teqstis amoRebas redaqtoridan, magram ar aTavsebs am teqsts ope-

raciuli sistemis gacvlis buferSi.

- **teqstis gare redaqtoris amoqmedeba.** am Rilakis meSveobiT

xorcieldeba operaciul sistemaSi daregistrirebuli gare

teqsturi redaqtoris gaSveba. magaliTad, Windows-is ojaxisTvis

am Rilakis daWerisas xdeba standartuli Notepad programis ga-

Sveba.

- **gaSveba «main» gamosaxulebis Sesasruleblad.** es Rilaki

CatvirTul modulSi main funqcias asrulebs (cxadia, Tu

aseTi funqcia aRmoCndeba modulSi). Tu main funqcia arc erT

CatvirTul modulSi ar moiZebna, gamoCndeba Setyobineba Secdomis

Sesaxeb: ERROR — Undefined variable "main".

 - **programis Sesrulebis gaCereba**. am Rilakis meSveobiT xdeba

nebismieri gaSvebuli funqciis Sesrulebis gaCereba. magaliTad, igi gamoiyeneba gamoTvlis usasrulo siis Sesawyvetad.

- **mimdinare proeqtis yvela failis gadatvirTva.** am Rilakis meSveobiT xorcieldeba yvela failis gadatvirTva imisaTvis,

rom moTavsdes interpretatoris mexsierebaSi proeqtis kodTan da

kavSirebuli yvela cvlileba.

-**interpretatoris parametrebis dayeneba**. ekranze gamoaqvs

Haskell enis interpretatoris parametrTa dayenebis dialoguri fanjara. interpretatoris parametrebis Sesaxeb saubari

mogvianebiT gveqneba.

- klasebis ierarqiis gamotana ekranze. am Rilakis meSveobiT

ekranze Cndeba mimdinare proeqtis klasebis ierarqia, romelic naCvenebia marTkuTxedebis simravlis da maT Soris kavSirebis

saxiT. marTkuTxedebs aweria saxelebi (klasebi), xolo maT Soris

kavSirebiT asaxulia memkvidreobiTobis urTierTdamokidebuleba.

- **cnobaris gamoZaxeba.** am Rilakis meSveobiT ekranze gamodis

sacnobo informaciis standartuli dialoguri fanjara. igulisxmeba, rom yvela sacnobo faili moTavsebulia katalogSi, sadac dayenebulia integrirebuli garemo (es failebi ar Sedis HUGS 98-is standartul kompleqtSi).

- programidan gamosvla. Rilakis meSveobiT xdeba HUGS 98 in-

tegrirebuli garemodan operaciul sistemaSi gamosvla.