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**Группа: М8О-208Б-19**

**Номер по списку: 21**

**Тема: Знакомство с языком МИКРОЛИСП.**

**Отображение программ из МИКРОЛИСПа в С++.**

**Лабораторная работа N1**

**Вариант: 31.03.2001**

**Распечатка файла zeller.cpp**

**//zeller.cpp**

**#include "mlisp.h"**

**double day\_\_of\_\_week();**

**double zeller(double d, double m, double y, double c);**

**double neg\_\_to\_\_pos(double d);**

**double birthday(double dw);**

**extern double dd;**

**extern double mm;**

**extern double yyyy;**

**//(define (day-of-week)**

**// (zeller dd**

**// (if(< mm 3)(+ mm 10)(- mm 2))**

**// (remainder (if(< mm 3)(- yyyy 1)yyyy)100)**

**// (quotient (if(< mm 3)(- yyyy 1)yyyy)100)**

**// )**

**//)**

**double day\_\_of\_\_week() {**

**return zeller(dd,**

**mm < 3. ? mm + 10. : mm - 2.,**

**remainder(mm < 3. ? yyyy - 1. : yyyy, 100.),**

**quotient(mm < 3. ? yyyy - 1. : yyyy, 100.)**

**);**

**}**

**//(define (zeller d m y c)**

**// (neg-to-pos (remainder (+ d y**

**// (quotient (-(\* 26 m)2) 10)**

**// (quotient y 4)**

**// (quotient c 4)**

**// (\* 2(- c))**

**// )**

**// 7)**

**// )**

**//)**

**double zeller(double d, double m, double y, double c) {**

**return neg\_\_to\_\_pos(remainder(d + y +**

**quotient((26. \* m) - 2., 10.) +**

**quotient(y, 4.) +**

**quotient(c, 4.) +**

**2. \* (-c),**

**7.)**

**);**

**}**

**//(define (neg-to-pos d)**

**// (cond((< d 0)(+ d 7))**

**// (#t d)**

**// )**

**//)**

**double neg\_\_to\_\_pos(double d){**

**return (d < 0. ? d + 7.**

**: true ? d**

**: \_infinity**

**);**

**}**

**//(define (birthday dw)**

**//; ^{0,...,6}**

**// (display "Your were born on ")**

**// (display**

**// (cond((= dw 1)"Monday ")**

**// ((= dw 2)"Tuesday ")**

**// ((= dw 3)"Wednesday ")**

**// ((= dw 4)"Thursday ")**

**// ((= dw 5)"Friday ")**

**// ((= dw 6)"Saturday ")**

**// (else "Sunday ") ))**

**// (display dd)(display ".")**

**// (display mm)(display ".")**

**// yyyy**

**//)**

**double birthday(double dw){**

**display("Your were born on ");**

**display(**

**dw == 1. ? "Monday " :**

**dw == 2. ? "Tuesday " :**

**dw == 3. ? "Wednesday " :**

**dw == 4. ? "Thursday " :**

**dw == 5. ? "Friday " :**

**dw == 6. ? "Saturday "**

**: "Sunday ");**

**display(dd), display(".");**

**display(mm), display(".");**

**return yyyy;**

**}**

**double dd = 31.;**

**double mm = 3.;**

**double yyyy = 2001.;**

**int main(){**

**display(birthday (day\_\_of\_\_week()));**

**newline();**

**std::cin.get();**

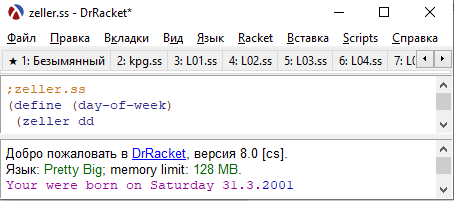
**return 0;**

**}**

**Скриншот запуска в C++**

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**Скриншот запуска в DrRacket**

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