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Номер по списку: 9**

**Тема: Знакомство с языком МИКРОЛИСП.  
Отображение программ из МИКРОЛИСПа в C++.**

**Лабораторная работа N1  
Вариант:31.12.2021**

**Распечатка файла zeller.cpp**

**// zeller.cpp**

**// Епанешников Владислав Сергеевич М80-206Б-19**

**#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;**

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

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

**: true ? d**

**: \_infinity**

**);**

**}**

**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.)**

**);**

**}**

**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.));
}

```

```

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 = 24;
double mm = 7;
double yyyy = 2001;

```

```

int main(){
    display(birthday (day__of__week()));
    newline();
    std::cin.get();
    return 0;
}

```

**Скриншот запуска в C++**

>

```

MacBook:Lab 1 vladislove$ g++ --std=c++17 zeller.cpp
MacBook:Lab 1 vladislove$ ./a.out
Your were born on Tuesday 24.7.2001
.
MacBook:Lab 1 vladislove$ █

```

## Скриншот запуска в DrRacket

>

```
Welcome to DrRacket, version 8.0 [cs].  
Language: Pretty Big; memory limit: 128 MB.  
Your were born on Tuesday 24.7.2001  
>
```