Министерство образования Республики Беларусь

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“Брестский государственный технический университет”

**Лабораторная работа №3**

**По дисциплине КСиС за 4 семестр**  
**Тема: «Макроопределения»**

**Выполнил:**

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**Лабораторная работа №3**

**Макроопределения**

Вариант 8

# Цель работы

Изучить приемы разработки макроопределений и использования их в программах.

# Задание

в исходной строке изменить порядок следования слов на инверсный;

# Код программы с макроопределением

# .file "source.cpp"

# .text

# .lcomm \_ZStL8\_\_ioinit,1,1

# .globl \_Z11inputStringB5cxx11v

# .def \_Z11inputStringB5cxx11v; .scl 2; .type 32; .endef

# .seh\_proc \_Z11inputStringB5cxx11v

# \_Z11inputStringB5cxx11v:

# .LFB1865:

# pushq %rbp

# .seh\_pushreg %rbp

# pushq %rbx

# .seh\_pushreg %rbx

# subq $40, %rsp

# .seh\_stackalloc 40

# leaq 32(%rsp), %rbp

# .seh\_setframe %rbp, 32

# .seh\_endprologue

# movq %rcx, 32(%rbp)

# movq 32(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1Ev

# movq 32(%rbp), %rdx

# movq .refptr.\_ZSt3cin(%rip), %rax

# movq %rax, %rcx

# .LEHB0:

# call \_ZSt7getlineIcSt11char\_traitsIcESaIcEERSt13basic\_istreamIT\_T0\_ES7\_RNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EE

# .LEHE0:

# jmp .L5

# .L4:

# movq %rax, %rbx

# movq 32(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# movq %rbx, %rax

# movq %rax, %rcx

# .LEHB1:

# call \_Unwind\_Resume

# .LEHE1:

# .L5:

# movq 32(%rbp), %rax

# addq $40, %rsp

# popq %rbx

# popq %rbp

# ret

# .def \_\_gxx\_personality\_seh0; .scl 2; .type 32; .endef

# .seh\_handler \_\_gxx\_personality\_seh0, @unwind, @except

# .seh\_handlerdata

# .LLSDA1865:

# .byte 0xff

# .byte 0xff

# .byte 0x1

# .uleb128 .LLSDACSE1865-.LLSDACSB1865

# .LLSDACSB1865:

# .uleb128 .LEHB0-.LFB1865

# .uleb128 .LEHE0-.LEHB0

# .uleb128 .L4-.LFB1865

# .uleb128 0

# .uleb128 .LEHB1-.LFB1865

# .uleb128 .LEHE1-.LEHB1

# .uleb128 0

# .uleb128 0

# .LLSDACSE1865:

# .text

# .seh\_endproc

# .globl \_Z12reverseWordsRKNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEE

# .def \_Z12reverseWordsRKNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEE; .scl 2; .type 32; .endef

# .seh\_proc \_Z12reverseWordsRKNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEE

# \_Z12reverseWordsRKNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEE:

# .LFB1867:

# pushq %rbp

# .seh\_pushreg %rbp

# pushq %rsi

# .seh\_pushreg %rsi

# pushq %rbx

# .seh\_pushreg %rbx

# subq $512, %rsp

# .seh\_stackalloc 512

# leaq 128(%rsp), %rbp

# .seh\_setframe %rbp, 128

# .seh\_endprologue

# movq %rcx, 416(%rbp)

# movq %rdx, 424(%rbp)

# movq 416(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1Ev

# leaq 288(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1Ev

# movq 424(%rbp), %rdx

# leaq -96(%rbp), %rax

# movl $8, %r8d

# movq %rax, %rcx

# .LEHB2:

# call \_ZNSt7\_\_cxx1119basic\_istringstreamIcSt11char\_traitsIcESaIcEEC1ERKNS\_12basic\_stringIcS2\_S3\_EESt13\_Ios\_Openmode

# .LEHE2:

# jmp .L7

# .L11:

# leaq 288(%rbp), %rax

# movq %rax, %rcx

# call \_ZNKSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6lengthEv

# testq %rax, %rax

# setne %al

# testb %al, %al

# je .L7

# movq 416(%rbp), %rcx

# call \_ZNKSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6lengthEv

# movl $0, %ebx

# testq %rax, %rax

# jne .L8

# leaq 288(%rbp), %rdx

# leaq 320(%rbp), %rax

# movq %rax, %rcx

# .LEHB3:

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1ERKS4\_

# jmp .L9

# .L8:

# leaq 352(%rbp), %rax

# leaq 288(%rbp), %rdx

# movl $32, %r8d

# movq %rax, %rcx

# call \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_

# movl $1, %ebx

# leaq 320(%rbp), %rax

# leaq 352(%rbp), %rdx

# movq 416(%rbp), %r8

# movq %rax, %rcx

# call \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_

# .LEHE3:

# .L9:

# leaq 320(%rbp), %rax

# movq %rax, %rdx

# movq 416(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEaSEOS4\_

# leaq 320(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# testb %bl, %bl

# je .L7

# leaq 352(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# .L7:

# leaq 288(%rbp), %rdx

# leaq -96(%rbp), %rax

# movl $32, %r8d

# movq %rax, %rcx

# .LEHB4:

# call \_ZSt7getlineIcSt11char\_traitsIcESaIcEERSt13basic\_istreamIT\_T0\_ES7\_RNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EES4\_

# movq (%rax), %rdx

# subq $24, %rdx

# movq (%rdx), %rdx

# addq %rdx, %rax

# movq %rax, %rcx

# call \_ZNKSt9basic\_iosIcSt11char\_traitsIcEEcvbEv

# .LEHE4:

# testb %al, %al

# jne .L11

# nop

# leaq -96(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1119basic\_istringstreamIcSt11char\_traitsIcESaIcEED1Ev

# leaq 288(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# jmp .L20

# .L18:

# movq %rax, %rsi

# testb %bl, %bl

# je .L14

# leaq 352(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# .L14:

# movq %rsi, %rbx

# jmp .L15

# .L19:

# movq %rax, %rbx

# .L15:

# leaq -96(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1119basic\_istringstreamIcSt11char\_traitsIcESaIcEED1Ev

# jmp .L16

# .L17:

# movq %rax, %rbx

# .L16:

# leaq 288(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# movq 416(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# movq %rbx, %rax

# movq %rax, %rcx

# .LEHB5:

# call \_Unwind\_Resume

# .LEHE5:

# .L20:

# movq 416(%rbp), %rax

# addq $512, %rsp

# popq %rbx

# popq %rsi

# popq %rbp

# ret

# .seh\_handler \_\_gxx\_personality\_seh0, @unwind, @except

# .seh\_handlerdata

# .LLSDA1867:

# .byte 0xff

# .byte 0xff

# .byte 0x1

# .uleb128 .LLSDACSE1867-.LLSDACSB1867

# .LLSDACSB1867:

# .uleb128 .LEHB2-.LFB1867

# .uleb128 .LEHE2-.LEHB2

# .uleb128 .L17-.LFB1867

# .uleb128 0

# .uleb128 .LEHB3-.LFB1867

# .uleb128 .LEHE3-.LEHB3

# .uleb128 .L18-.LFB1867

# .uleb128 0

# .uleb128 .LEHB4-.LFB1867

# .uleb128 .LEHE4-.LEHB4

# .uleb128 .L19-.LFB1867

# .uleb128 0

# .uleb128 .LEHB5-.LFB1867

# .uleb128 .LEHE5-.LEHB5

# .uleb128 0

# .uleb128 0

# .LLSDACSE1867:

# .text

# .seh\_endproc

# .def \_\_main; .scl 2; .type 32; .endef

# .section .rdata,"dr"

# .LC0:

# .ascii "pause\0"

# .text

# .globl main

# .def main; .scl 2; .type 32; .endef

# .seh\_proc main

# main:

# .LFB1871:

# pushq %rbp

# .seh\_pushreg %rbp

# pushq %rbx

# .seh\_pushreg %rbx

# subq $104, %rsp

# .seh\_stackalloc 104

# leaq 96(%rsp), %rbp

# .seh\_setframe %rbp, 96

# .seh\_endprologue

# call \_\_main

# leaq -32(%rbp), %rax

# movq %rax, %rcx

# .LEHB6:

# call \_Z11inputStringB5cxx11v

# .LEHE6:

# leaq -64(%rbp), %rax

# leaq -32(%rbp), %rdx

# movq %rax, %rcx

# .LEHB7:

# call \_Z12reverseWordsRKNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEE

# .LEHE7:

# leaq -64(%rbp), %rax

# movq %rax, %rdx

# movq .refptr.\_ZSt4cout(%rip), %rax

# movq %rax, %rcx

# .LEHB8:

# call \_ZStlsIcSt11char\_traitsIcESaIcEERSt13basic\_ostreamIT\_T0\_ES7\_RKNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EE

# movq %rax, %rcx

# movq .refptr.\_ZSt4endlIcSt11char\_traitsIcEERSt13basic\_ostreamIT\_T0\_ES6\_(%rip), %rax

# movq %rax, %rdx

# call \_ZNSolsEPFRSoS\_E

# .LEHE8:

# leaq -64(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# leaq -32(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# leaq .LC0(%rip), %rax

# movq %rax, %rcx

# .LEHB9:

# call system

# movl $0, %eax

# jmp .L27

# .L26:

# movq %rax, %rbx

# leaq -64(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# jmp .L24

# .L25:

# movq %rax, %rbx

# .L24:

# leaq -32(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# movq %rbx, %rax

# movq %rax, %rcx

# call \_Unwind\_Resume

# .LEHE9:

# .L27:

# addq $104, %rsp

# popq %rbx

# popq %rbp

# ret

# .seh\_handler \_\_gxx\_personality\_seh0, @unwind, @except

# .seh\_handlerdata

# .LLSDA1871:

# .byte 0xff

# .byte 0xff

# .byte 0x1

# .uleb128 .LLSDACSE1871-.LLSDACSB1871

# .LLSDACSB1871:

# .uleb128 .LEHB6-.LFB1871

# .uleb128 .LEHE6-.LEHB6

# .uleb128 0

# .uleb128 0

# .uleb128 .LEHB7-.LFB1871

# .uleb128 .LEHE7-.LEHB7

# .uleb128 .L25-.LFB1871

# .uleb128 0

# .uleb128 .LEHB8-.LFB1871

# .uleb128 .LEHE8-.LEHB8

# .uleb128 .L26-.LFB1871

# .uleb128 0

# .uleb128 .LEHB9-.LFB1871

# .uleb128 .LEHE9-.LEHB9

# .uleb128 0

# .uleb128 0

# .LLSDACSE1871:

# .text

# .seh\_endproc

# .section .text$\_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_,"x"

# .linkonce discard

# .globl \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_

# .def \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_; .scl 2; .type 32; .endef

# .seh\_proc \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_

# \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_:

# .LFB2148:

# pushq %rbp

# .seh\_pushreg %rbp

# pushq %rbx

# .seh\_pushreg %rbx

# subq $40, %rsp

# .seh\_stackalloc 40

# leaq 32(%rsp), %rbp

# .seh\_setframe %rbp, 32

# .seh\_endprologue

# movq %rcx, 32(%rbp)

# movq %rdx, 40(%rbp)

# movl %r8d, %eax

# movb %al, 48(%rbp)

# movq 40(%rbp), %rax

# movq %rax, %rdx

# movq 32(%rbp), %rcx

# .LEHB10:

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1ERKS4\_

# .LEHE10:

# movsbl 48(%rbp), %eax

# movl %eax, %r8d

# movl $1, %edx

# movq 32(%rbp), %rcx

# .LEHB11:

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6appendEyc

# .LEHE11:

# jmp .L32

# .L31:

# movq %rax, %rbx

# movq 32(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev

# movq %rbx, %rax

# movq %rax, %rcx

# .LEHB12:

# call \_Unwind\_Resume

# .LEHE12:

# .L32:

# movq 32(%rbp), %rax

# addq $40, %rsp

# popq %rbx

# popq %rbp

# ret

# .seh\_handler \_\_gxx\_personality\_seh0, @unwind, @except

# .seh\_handlerdata

# .LLSDA2148:

# .byte 0xff

# .byte 0xff

# .byte 0x1

# .uleb128 .LLSDACSE2148-.LLSDACSB2148

# .LLSDACSB2148:

# .uleb128 .LEHB10-.LFB2148

# .uleb128 .LEHE10-.LEHB10

# .uleb128 0

# .uleb128 0

# .uleb128 .LEHB11-.LFB2148

# .uleb128 .LEHE11-.LEHB11

# .uleb128 .L31-.LFB2148

# .uleb128 0

# .uleb128 .LEHB12-.LFB2148

# .uleb128 .LEHE12-.LEHB12

# .uleb128 0

# .uleb128 0

# .LLSDACSE2148:

# .section .text$\_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EERKS8\_S5\_,"x"

# .linkonce discard

# .seh\_endproc

# .section .text$\_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_,"x"

# .linkonce discard

# .globl \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_

# .def \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_; .scl 2; .type 32; .endef

# .seh\_proc \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_

# \_ZStplIcSt11char\_traitsIcESaIcEENSt7\_\_cxx1112basic\_stringIT\_T0\_T1\_EEOS8\_RKS8\_:

# .LFB2149:

# pushq %rbp

# .seh\_pushreg %rbp

# movq %rsp, %rbp

# .seh\_setframe %rbp, 0

# subq $32, %rsp

# .seh\_stackalloc 32

# .seh\_endprologue

# movq %rcx, 16(%rbp)

# movq %rdx, 24(%rbp)

# movq %r8, 32(%rbp)

# movq 32(%rbp), %rdx

# movq 24(%rbp), %rax

# movq %rax, %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6appendERKS4\_

# movq %rax, %rcx

# call \_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_

# movq %rax, %rdx

# movq 16(%rbp), %rcx

# call \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1EOS4\_

# movq 16(%rbp), %rax

# addq $32, %rsp

# popq %rbp

# ret

# .seh\_endproc

# .section .text$\_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_,"x"

# .linkonce discard

# .globl \_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_

# .def \_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_; .scl 2; .type 32; .endef

# .seh\_proc \_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_

# \_ZSt4moveIRNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEEEONSt16remove\_referenceIT\_E4typeEOS8\_:

# .LFB2229:

# pushq %rbp

# .seh\_pushreg %rbp

# movq %rsp, %rbp

# .seh\_setframe %rbp, 0

# .seh\_endprologue

# movq %rcx, 16(%rbp)

# movq 16(%rbp), %rax

# popq %rbp

# ret

# .seh\_endproc

# .text

# .def \_\_tcf\_0; .scl 3; .type 32; .endef

# .seh\_proc \_\_tcf\_0

# \_\_tcf\_0:

# .LFB2432:

# pushq %rbp

# .seh\_pushreg %rbp

# movq %rsp, %rbp

# .seh\_setframe %rbp, 0

# subq $32, %rsp

# .seh\_stackalloc 32

# .seh\_endprologue

# leaq \_ZStL8\_\_ioinit(%rip), %rax

# movq %rax, %rcx

# call \_ZNSt8ios\_base4InitD1Ev

# nop

# addq $32, %rsp

# popq %rbp

# ret

# .seh\_endproc

# .def \_Z41\_\_static\_initialization\_and\_destruction\_0ii; .scl 3; .type 32; .endef

# .seh\_proc \_Z41\_\_static\_initialization\_and\_destruction\_0ii

# \_Z41\_\_static\_initialization\_and\_destruction\_0ii:

# .LFB2431:

# pushq %rbp

# .seh\_pushreg %rbp

# movq %rsp, %rbp

# .seh\_setframe %rbp, 0

# subq $32, %rsp

# .seh\_stackalloc 32

# .seh\_endprologue

# movl %ecx, 16(%rbp)

# movl %edx, 24(%rbp)

# cmpl $1, 16(%rbp)

# jne .L40

# cmpl $65535, 24(%rbp)

# jne .L40

# leaq \_ZStL8\_\_ioinit(%rip), %rax

# movq %rax, %rcx

# call \_ZNSt8ios\_base4InitC1Ev

# leaq \_\_tcf\_0(%rip), %rax

# movq %rax, %rcx

# call atexit

# .L40:

# nop

# addq $32, %rsp

# popq %rbp

# ret

# .seh\_endproc

# .def \_GLOBAL\_\_sub\_I\_\_Z11inputStringB5cxx11v; .scl 3; .type 32; .endef

# .seh\_proc \_GLOBAL\_\_sub\_I\_\_Z11inputStringB5cxx11v

# \_GLOBAL\_\_sub\_I\_\_Z11inputStringB5cxx11v:

# .LFB2433:

# pushq %rbp

# .seh\_pushreg %rbp

# movq %rsp, %rbp

# .seh\_setframe %rbp, 0

# subq $32, %rsp

# .seh\_stackalloc 32

# .seh\_endprologue

# movl $65535, %edx

# movl $1, %ecx

# call \_Z41\_\_static\_initialization\_and\_destruction\_0ii

# nop

# addq $32, %rsp

# popq %rbp

# ret

# .seh\_endproc

# .section .ctors,"w"

# .align 8

# .quad \_GLOBAL\_\_sub\_I\_\_Z11inputStringB5cxx11v

# .ident "GCC: (Rev10, Built by MSYS2 project) 11.2.0"

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1Ev; .scl 2; .type 32; .endef

# .def \_ZSt7getlineIcSt11char\_traitsIcESaIcEERSt13basic\_istreamIT\_T0\_ES7\_RNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EE; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEED1Ev; .scl 2; .type 32; .endef

# .def \_Unwind\_Resume; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1119basic\_istringstreamIcSt11char\_traitsIcESaIcEEC1ERKNS\_12basic\_stringIcS2\_S3\_EESt13\_Ios\_Openmode; .scl 2; .type 32; .endef

# .def \_ZNKSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6lengthEv; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1ERKS4\_; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEaSEOS4\_; .scl 2; .type 32; .endef

# .def \_ZSt7getlineIcSt11char\_traitsIcESaIcEERSt13basic\_istreamIT\_T0\_ES7\_RNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EES4\_; .scl 2; .type 32; .endef

# .def \_ZNKSt9basic\_iosIcSt11char\_traitsIcEEcvbEv; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1119basic\_istringstreamIcSt11char\_traitsIcESaIcEED1Ev; .scl 2; .type 32; .endef

# .def \_ZStlsIcSt11char\_traitsIcESaIcEERSt13basic\_ostreamIT\_T0\_ES7\_RKNSt7\_\_cxx1112basic\_stringIS4\_S5\_T1\_EE; .scl 2; .type 32; .endef

# .def \_ZNSolsEPFRSoS\_E; .scl 2; .type 32; .endef

# .def system; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6appendEyc; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEE6appendERKS4\_; .scl 2; .type 32; .endef

# .def \_ZNSt7\_\_cxx1112basic\_stringIcSt11char\_traitsIcESaIcEEC1EOS4\_; .scl 2; .type 32; .endef

# .def \_ZNSt8ios\_base4InitD1Ev; .scl 2; .type 32; .endef

# .def \_ZNSt8ios\_base4InitC1Ev; .scl 2; .type 32; .endef

# .def atexit; .scl 2; .type 32; .endef

# .section .rdata$.refptr.\_ZSt4endlIcSt11char\_traitsIcEERSt13basic\_ostreamIT\_T0\_ES6\_, "dr"

# .globl .refptr.\_ZSt4endlIcSt11char\_traitsIcEERSt13basic\_ostreamIT\_T0\_ES6\_

# .linkonce discard

# .refptr.\_ZSt4endlIcSt11char\_traitsIcEERSt13basic\_ostreamIT\_T0\_ES6\_:

# .quad \_ZSt4endlIcSt11char\_traitsIcEERSt13basic\_ostreamIT\_T0\_ES6\_

# .section .rdata$.refptr.\_ZSt4cout, "dr"

# .globl .refptr.\_ZSt4cout

# .linkonce discard

# .refptr.\_ZSt4cout:

# .quad \_ZSt4cout

# .section .rdata$.refptr.\_ZSt3cin, "dr"

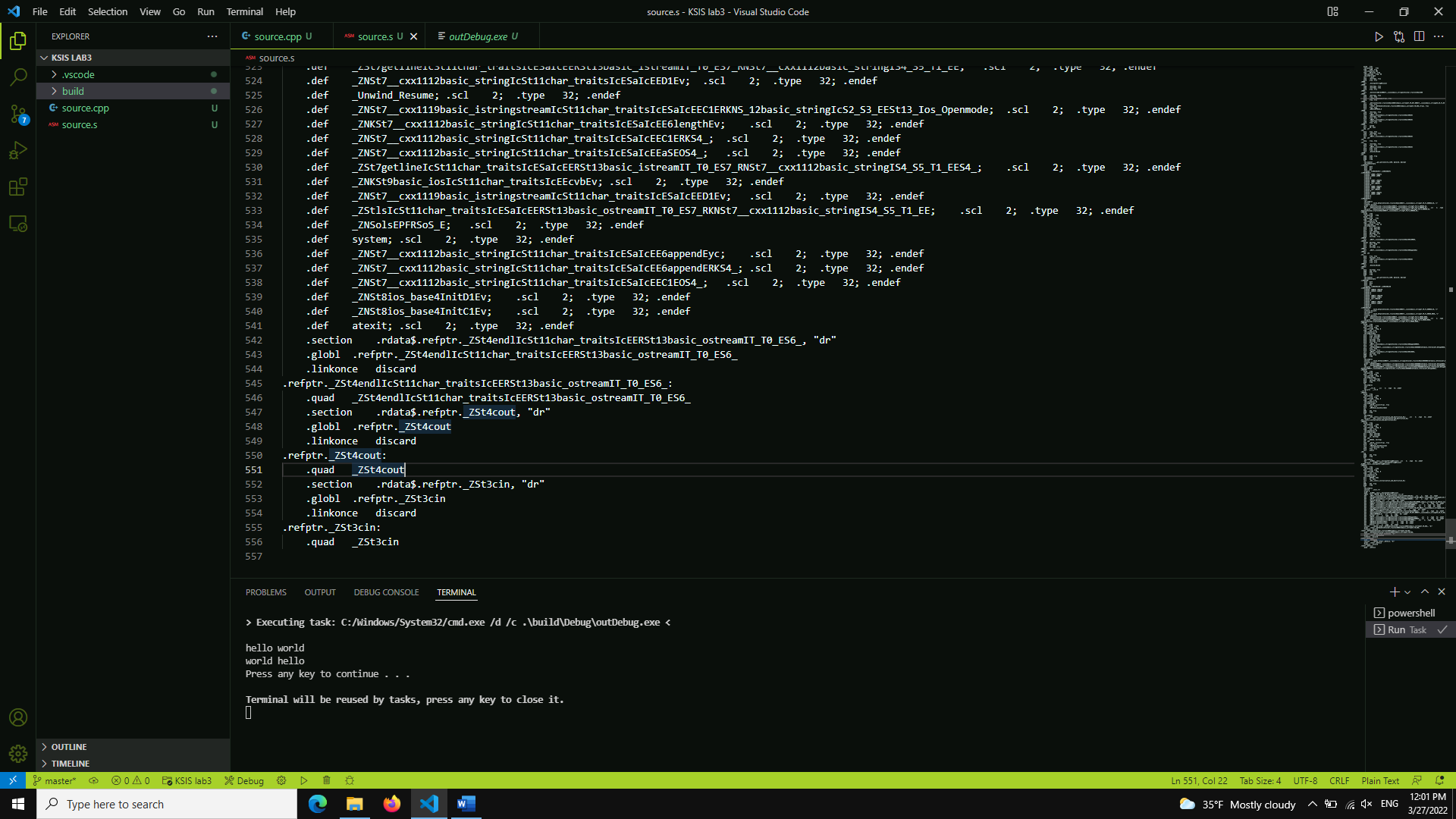
# .globl .refptr.\_ZSt3cin

# .linkonce discard

# .refptr.\_ZSt3cin:

# .quad \_ZSt3cin

# Результат выполнения



# Вывод

В данной лабораторной работе я изучил приемы разработки макроопределений и использования их в программах.