## **Assignment No:01**

```
Program:
```



## 642303003

## file.i:

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## file.s

```
.file "ppli.c"
.text
.section .rodata
.align 8
.LCO:
.string "\nAddition of two number is:%d\n"
.text
.globl sum
.type sum, @function

sum:
.FBO:
.cfi_startproc
endbr64
pushg %rbp
.cfi_def_cfa_offset 16
.cfi_offset 6, -16
mpoyg %rsp, %rbp
.cfi_def_cfa_register 6
subg $32, %rsp
poyl %edi, -20(%rbp)
moyl %esi, -24(%rbp)
moyl -20(%rbp), %eax
addl %edx, %eax
moyl %eax, -4(%rbp)
moyl -4(%rbp), %eax
addl %edx, %eax
moyl %eax, %esi
leag .LCO(%rip), %rax
moyd %rax, %rdi
moyl $0, %eax
call printf@PLT
nop
leave
.cfi_def_cfa_7, 8
ret
.cfi_endproc
.LFEO:
```

```
.cfi endproc
.LFE0:
.size sum, .-sum
.section .rodata
.LC1:
.string "\nEnter first numbers:"
.LC2:
.string "%d"
.LC3:
.string "\nEnter second numbers:"
.text
.globl main
.type main, @function

main:
.LFB1:
.cfi startproc
endbr64
pushg %rbp
.cfi def_cfa_offset 16
.cfi_offset 6, .16
movg %rsp, %rbp
.cfi_def_cfa_register 6
subg $16, %rsp
movg %fs:40, %rax
movg %rax, .8(%rbp)
xorl %eax, %eax
leag .LC1(%rtp), %rax
movg %rax, %rdi
movl $0, %eax
call printf@Pul
leag .16(%rbp), %rax
movg %rax, %rdi
movl $0, %eax
call _isoc99 scanf@Pul
leag .LC3(%rtp), %rax
movg %rax, %rdi
movl $0, %eax
call _isoc99 scanf@Pul
leag .LC3(%rtp), %rax
movg %rax, %rdi
movl $0, %eax
call _isoc99 scanf@Pul
leag .LC3(%rtp), %rax
movg %rax, %rdi
movl $0, %eax
call _isoc99 scanf@Pul
leag .LC3(%rtp), %rax
movg %rax, %rdi
movl $0, %eax
call _isoc99 scanf@Pul
leag .LC3(%rtp), %rax
movg %rax, %rdi
```

```
a-ppl1.s
POVQ
               $0, %eax
isoc99 scanf@PLT
.LC3(%rip), %rax
                printf@PLT
               -12(%rbp), %rax
%rax, %rsi
.LC2(%rtp), %rax
leag
               50, %eax
isoc99 scanf@PLT
-12(%rbp), %edx
-16(%rbp), %eax
               %edx, %esi
%eax, %edi
              sum
50, %eax
-8(%rbp), %rdx
 subg
                __stack_chk_fail@PLT
ret
.cfl_endproc
.size main, .-main
.ident "GCC: (Ubuntu 12.3.0-lubuntu1-23.04) 12.3.0"
.section .note.GNU-stack,"",@progbits
.section .note.gnu.property,"a"
.align 8
.long 1f - 0f
.long 4f - 1f
.long 5
.align 8
.long 0xc00000002
.long 3f - 2f
```