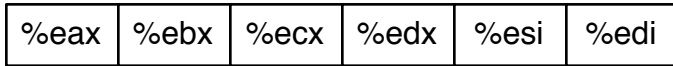
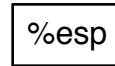


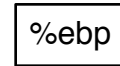
general purpose registers



stack pointer



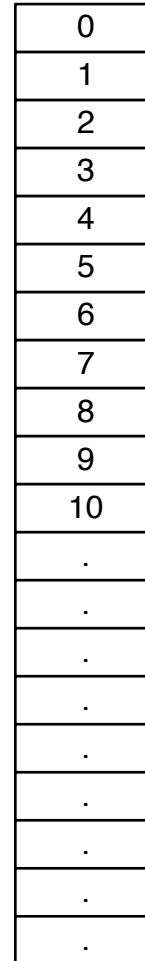
base pointer



Program

```
.file "test.c"
.section .rodata
.LC0:
.string "hello world!\n"
.text
.globl main
.type main,@function
main:
    pushl %ebp
    movl %esp, %ebp
    subl $8, %esp
    andl $-16, %esp
    movl $0, %eax
    subl %eax, %esp
    subl $12, %esp
    pushl $.LC0
    call printf
    addl $16, %esp
    movl $0, %eax
    leave
    ret
.Lfe1:
.size main,.Lfe1-main
.section .note.GNU-stack,"",@progbits
.ident "GCC: (GNU) 3.2.3 20030502 (Red Hat Linux 3.2.3-54)"
```

Memory



Stack

