Shoaib Akhtar 20P-0147

LAB-REPORT-10

Content of lab 10: Printing

[org 0x0100] jmp start

rollNo: dw "20P-0147"

length: dw 8

; Subroutine that will clear screen of the dosbox

clrscr:

push ax push es push di

mov ax, 0xb800 mov es, ax

```
mov di, 0
       11:
              mov word [es:di], 0x0720
              add di, 2
              cmp di, 4000
              jne I1
       pop di
       pop es
       pop ax
       ret
; ; Subroutine that will Print the Roll no on the dosbox screen
printRollNO:
       push bp
       mov bp, sp
       push ax
       push bx
       push cx
       push dx
       push si
       push di
       push es
       mov ax, 0xb800
       mov es, ax
       mov di, 1992
       mov dh, 0x01
       mov si, [bp+6]
       mov cx, [bp+4]
       12:
```

```
mov word[es:di], dx
       add di, 2
       add si, 1
       loop I2
       pop es
       pop si
       pop di
       pop dx
       рор сх
       pop bx
       pop ax
       pop bp
       ret 4
start:
call clrscr
; pushing parameters
mov ax, rollNo
push ax
push word[length]
call printRollNO
mov ah, 0x01
int 0x21
```

mov dl, [si]

OUTPUT

