

Sagba Yasmin

63476

DATE: \_\_/\_\_/\_\_

## Tasks

### Task 1)

- org 100h
- data
- code

main proc

mov dl, '6'

mov ah, 2

int 21h

mov dl, '3'

mov ah, 2

int 21h

mov dl, '4'

mov ah, 2

int 21h

mov dl, '7'

mov ah, 2

int 21h

Output

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mov dl, '6'

mov ah 2

int 21h

main endp

end main

DATE: \_\_\_/\_\_\_/\_\_\_

## Task 2)

- org 100h
- data
- code

- org 100h
- data
- code

|       |    |                       |
|-------|----|-----------------------|
| J 74A | 65 | main proc             |
| K 75B | 66 | mov ah, 1             |
| L 76C | 67 | int 21h               |
| M 77D | 68 |                       |
| N 78E | 69 | mov dl, al            |
| O 79F | 70 | <del>Add</del> dl, 82 |
| P 80G | 71 |                       |
| Q 81H | 72 | mov dl,               |
| R 82I | 73 |                       |

main proc      A-65  
 mov dl, 67      , 2  
 mov ah, 2  
 int 21h

mov dl, 79  
 mov ah, 2  
 int 21h

mov dl, 65  
 mov ah, 2  
 int 21h

mov dl, 76  
 mov ah, 2  
 int 21h  
 main endp  
 end main.

Output:-  
 COAL



## Task 3)

### ① Stack:

Syntax:- • stack 100

Reverse the ~~stack~~ stack  
Last in First out - It is  
used to work in pop &  
push operation -

### ② Data:-

Data segment store <sup>global</sup> variable  
and constant -

Syntax:- • data

### ③ Code:-

Code segment contain all  
the instructions of the program

Syntax • code