Name: Muhammad Hamza

Class: BS (AI)-4A

Class: 22F-3134

Task 1 and Task 2:

Mame: Mutammad Mama Course: COAL(LOB) Class: BS(AI) Rollno: 22F-3134 Section: 4A Qu: (a) (101011010)₂ = (?)₁₆ Combining 4 Bits: So, (101011010) 2= (15A),6 0101=5 be of 4 bits 1010210=A (b) (4C)16 = (?)2 Convertig "4" and "C" into 50, (01001100) = (40),6 4= (0100)2 (1001100)22(40)16 C=(12)=(1100)2 (512)10= (?每)16 50, (512)= (200)16 D2:-(b) 03-1A = 139 (a) 3A+B7= F1 CØ3 Φ 3A BOO+F3 = 615/021

Task 3:

Code file:

```
hamza.asm 🗵
      [org 0x100]
 2
 3
      mov ax, 2000H
 4
      mov bx, 2000
 5
      mov cx, -2000H
 6
      mov dx, -2000
      mov ax, 1010001B
mov ah, 'A'
mov al, 'a'
 7
 8
9
      mov ax, 0x4c00
10
      int 0x21
11
```

Dos-Box:

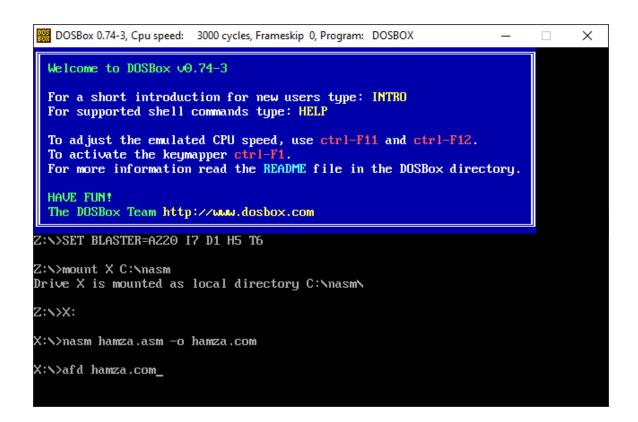


Table:

	Lines							
Registers	3	4	5	6	7	8	9	11
AX	2000	2000	2000	2000	0051	4151	4161	4C00
АН	20	20	20	20	00	41	41	4C
AL	00	00	00	00	51	51	61	00
ВХ	0000	07D0						
СХ	0018	0018	E000	E000	E000	E000	E000	E000
DX	0000	0000	0000	F830	F830	F830	F830	F830
IP	0103	0106	0109	010C	010F	0111	0113	0116