

Coal

LAB TASK 2

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Question 1

Instructions	Value of Ax	Value of Bx	Value of Cx
mov ax, 5	0005	0000	000D
mov bx, 10	0005	000A	000D
add ax, bx	000F	000A	000D
mov cx ,15	000F	000A	000F
add cx, bx	00F	000A	0019

Question 2

[org 0x0100]

mov ax , 7

mov bx, 10

add ax , bx

mov cx ,20

add cx, ax

```
mov ax,0x4c00 ;exit..
```

```
int 0x21
```

Question 3

```
[org 0x0100]
```

```
mov ax , 70
```

```
mov bx, 41
```

```
add ax , bx
```

```
add ax , 85
```

```
mov dx , ax
```

```
mov ax,0x4c00 ;exit..
```

```
int 0x21
```

Question 4

```
[org 0x0100]
```

```
mov ax , 100
```

```
sub ax, 8
```

```
sub ax , 22
```

```
mov bx , ax
```

```
mov ax,0x4c00 ;exit..
```

```
int 0x21
```

Question 5

```
[org 0x0100]
```

```
mov ax ,50
```

```
add ax ,20
```

```
add cx ,40
```

```
sub ax ,cx
```

```
mov dx,cx
```

```
mov ax,0x4c00 ;exit..
```

```
int 0x21
```

