

a. **Problem-1:**

a. Description

Program to Print Hello world

b. Solution-1:

```
org 100h

jmp start

msg:      db      "Hello, World!", 0Dh, 0Ah, 24h

start:    mov     dx, msg
mov     ah, 09h
int     21h

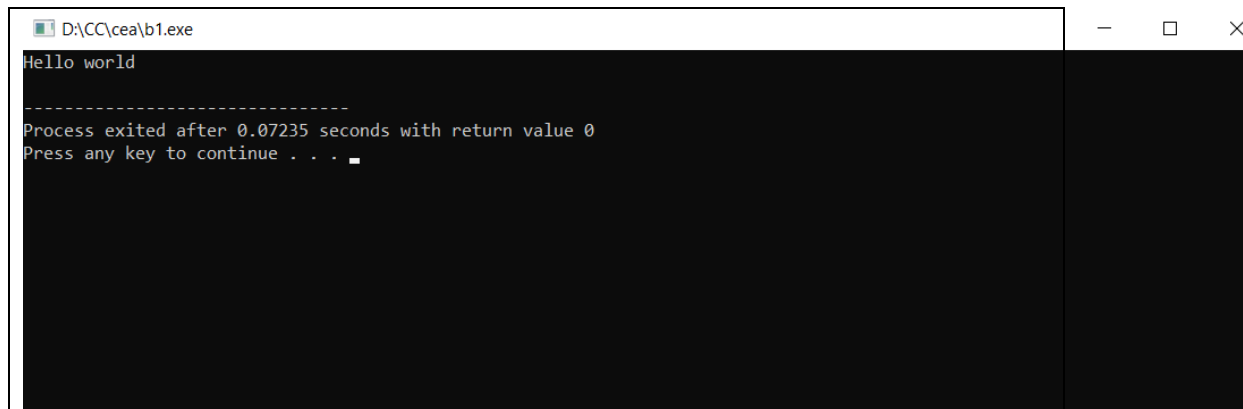
mov     ah, 0
int     16h

ret
```

c. Solution-2

```
#include<stdio.h>
#include<math.h>
int main(){
    printf("Hello world");
    return 0;
}
```

d. Test case



```
D:\CC\cea\b1.exe
Hello world
-----
Process exited after 0.07235 seconds with return value 0
Press any key to continue . . .
```

