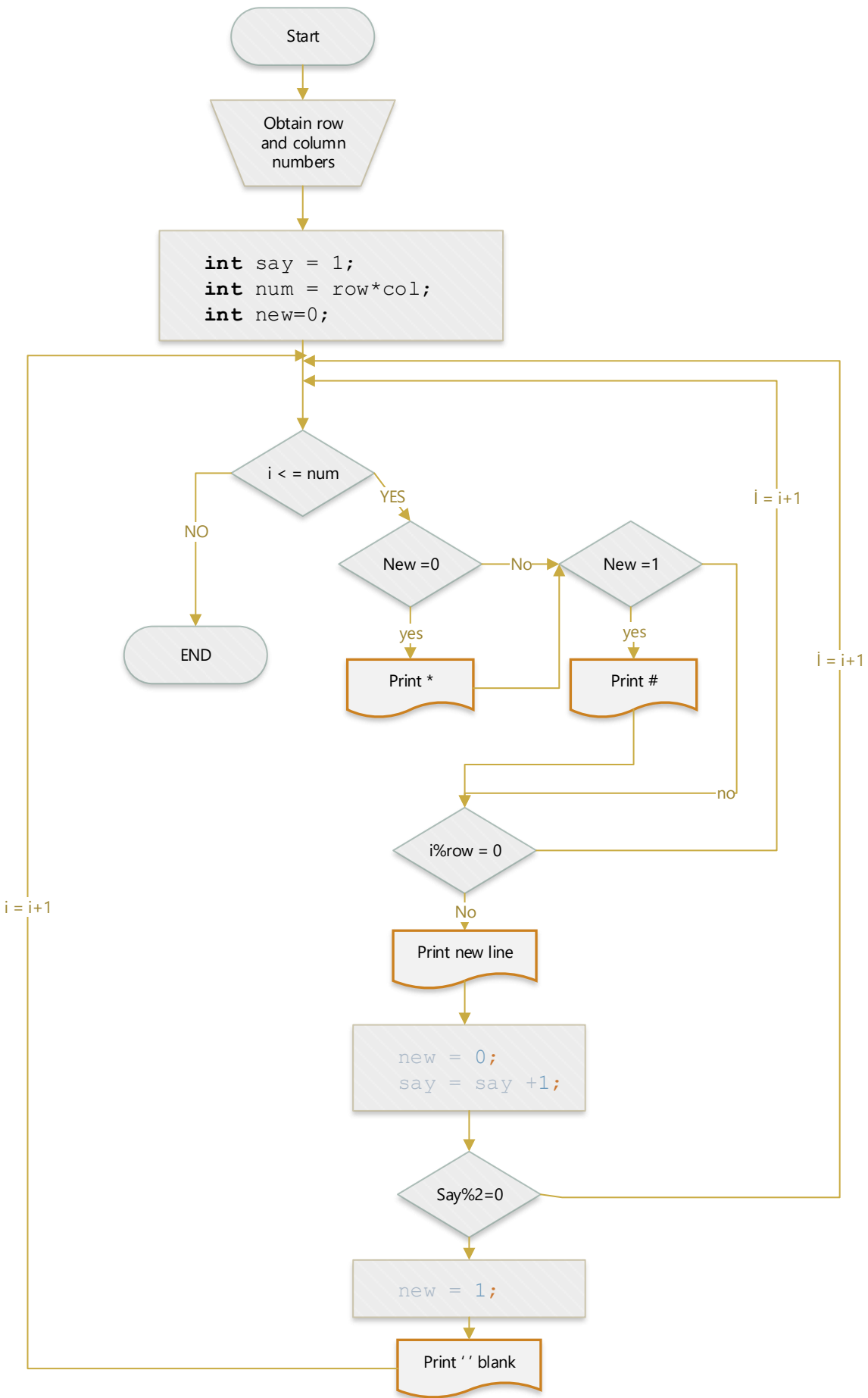
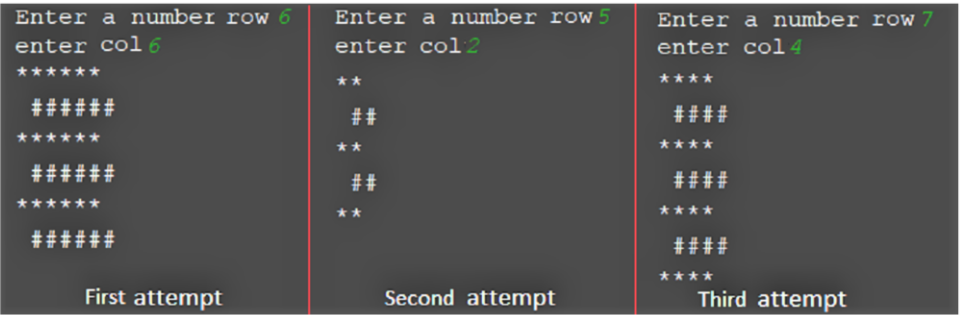


EED1005 Introduction to Programming  
Laboratory Quiz 2

November 2, 2018

1. a) Write flowchart for algorithm that prints the characters # and \* in form of given screenshots.

- You can use only loop, **IF**, and **ELSE** statements. Do not use nested loop.
- Use only `printf("#")`, `printf("*")`, `printf("\n")`, and `printf(" ")`. These statements are able to be used only once in the whole code.



```
#include <stdio.h>

int main() {

    int col, row; /* column counter */

    printf("Enter a number row: ");
    scanf("%d", &col);
    printf("Enter column:");
    scanf("%d",&row);
    int say = 1;
    int num = row*col;
    int new=0;

    for ( int i = 1; i <= num; i++ ) {
        if(new == 0){printf("*");}
        if(new == 1) {printf("#");}
        if(i%row==0){
            printf("\n");
            new = 0;
            say = say +1;
            if(say%2==0){
                new = 1;
                printf(" ");
            }
        }

    }

    return 0; /* indicate successful termination */
} /* end main */
```