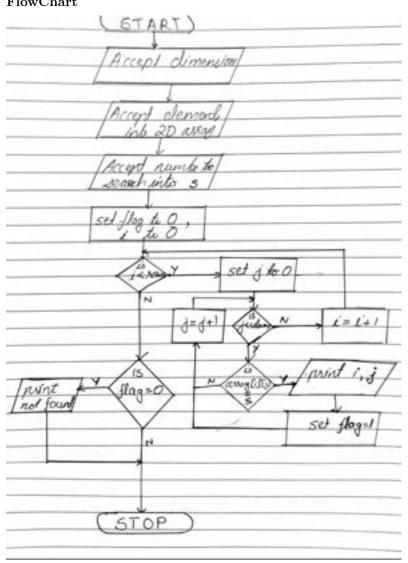
# Alfred Jophy

### **CS27**

# ${\bf 1. \ Search \ an \ element \ in \ a \ two \ dimensional \ array} \\ {\bf FlowChart}$



#### Source Code

```
To search for an element in a two dimensioanl array
#include <stdio.h>
int main(){
        int array[10][10];
        int rows, columns;
        int search_term;
        printf("Enter the number of rows and columns for the 2-D array:\n");
        scanf("%d%d",&rows,&columns);
        printf("Enter the elements of the array : \n");
        for(int i=0;i<rows;i++)</pre>
                 for(int j=0; j < columns; j++)</pre>
                          scanf("%d",&array[i][j]);
        printf("\nThe 2D Array\n");
        for(int i=0;i<rows;i++){</pre>
                 printf("\n");
                 for(int j=0;j<columns;j++)</pre>
                          printf(" %d ",array[i][j]);
        }
        printf("\n\nEnter the number you want to search for : ");
        scanf("%d",&search_term);
        int flag=0;
        for(int i=0;i<rows;i++)</pre>
                 for(int j=0; j<columns; j++)</pre>
                          if(array[i][j] == search_term)
                                  flag=1,printf("Number found at row %d column
\rightarrow %d\n",i+1,j+1);
                 printf("Number not found in the 2-D array.\n");
        return 0;
}
```

## Output