```
char** split_string(char* str)
{
    char** splits = NULL;
    char* token = strtok(str, " ");

    int spaces = 0;

    while (token)
    {
        splits = realloc(splits,
        sizeof(char*) * ++spaces);

        if (!splits)
            return splits;

        splits[spaces-1] = token;
        token = strtok(NULL, " ");
    }

    return splits;
}

int main(int argc, char** argv)
{
    char* endptr;
    int value = strtol(argv[1], &endptr, 10);

    if (errno == ERANGE || *endptr != '\0')
    {
        puts(EXIT_FAILURE);
    }

    return value;
}
```

Date :- 2/01/2021 Friday

```
char* trim(char *str)
{
    if (!str)
        return 0;

    if (!*str)
        return str;

    while (*str == ' ')
        str++;

    if (!*str)
        return str;

    char *end = str + strlen(str) - 1;

    while (end > str && *end == ' ')
        end--;

    *(end + 1) = 0;

    return str;
}
```

```
{
alloc_length <<= 1;
  data = realloc(data,
alloc - length);
  if (!data) {
      data = '\0';
    break;
}
}
if (data[data_length-1] == '\n') { data [da
length.-1] = '\0';

data = realloc (data,
  data - length);

  if (!data) {
    data = '\0';
  }
} else {
    data = realloc (data,
  data_length+1);

  if(!data),{
  data = \0;
} else {
    data [data_length] = '\0';
}
}
  return data;
}
```

```
(customers[i])[j] = customer_idx;
}
}

int result = minimumAverage(n, 2, customers);

fprintf(fptr, "%d\n", result);

fclose(fptr);

return 0;

}
char* readline() {
  size_t alloc_length = 1024;
  size_t data_length = 0;

  char* data =
  malloc(alloc_length);

  while (true) {
    char* cursor = data + data_length;
char* line = fgets(cursor, alloc_length - data_
length, stdin);

  if (!line) {
    break
  }
  data_length += strlen(cursor);
if (data_length < alloc_length - 1 ||
data[data_length - 1] == '\n') {break;
```

```
INTEGER
* The function accepts
2D_INTEGER_ARRAY customers as parameter.
*/

int minimumAverage(int customers_rows, int
customers_rows, int customers_columns[]
** customers) {

}

int main()
{
FILE* fptr=
fopen(getenv("output_path"), "w");

int n=
parse_int(ltrim(rtrim(readline())));

int** customers = malloc(n* sizeof(int*));
for(int i=0; i<n; i++){
    *(customers+i) = malloc(2*(sizeof(int)));

char** customers_item_temp = split_string
(rtrim(readline()));

for(int j=0; j<2; j++){
    int customers_item =
parse_int(*(customers_item_temp+j));
```

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```
#include <assert.h>
#include <ctype.h>
#include <limits.h>
#include <math.h>
#include <stdbool.h>
#include <stddef.h>
#include <stdint.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>

char* readline();
char* ltrim(char*);
char* rtrim(char*);
char** split_string(char*);

int parse_int(char*);

/*
 * Complete the
 'minimum Average' function
 below
 *
 * The function is expected to return
```