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BCourse- BSCIT

Sem - 2 (A)

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Ans- 1.

```
#include <stdio.h>
#include <ctype.h>
#include <limits.h>
#include<math.h>
#include<stdiboot.h>
#include <stddef.h>
#include< stdlib.h>
#include <string.h>
char* readline ();
char* ltrim (char*);
char* rtrim (char*);
int parse_int (char*);
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 = parseInt(*(customers_item_
temp+j));
int result = minimumAverage(n, 2, customers);
fprintf(fptr, "%d\n", result);
fclose(fptr);
return 0;
}
else *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; }
```

```
if (data_length < alloc_length-1 || data[data_length-1]
  == '\n')
{ break; }
alloc_length <<= 1;
data = realloc(data, alloc_length);
if (!data){
data = '\0';
break;
}
}
if (data[data_length-1] == '\n'){
   data[data_length-1] = '\0';}}
{data = realloc(data, data_length+1);
 if (!data)
 { data = '\0';
 } else {
 data[data_length] = '\0';
 }
}
return data;
}
char* itrim(char* str)
```

```
{ if(!str) {
 return '\0';
}
 if(!*str) {
  return str;
}
 while (*str != '\0' && isspace (*str)) {
  str++;
}
 return str;
}
 Char * rtrim(char* str) {
 if (!str) {
 return '\0';
}
 if (!*str) {
  return str;
}
 Char* end = str + strlen (str) - 1;
while (end >= str && in space (*end)) {
  end -- ; }
* (end+1) = '\0';
  return str;
  }
 Char** split - string (char* str)
```

```
{
 Char** splits = NULL;
 Char * token = strtok (str, " ");
 int space = 0;
 while (token) {
 splits = rellac (splits, size of (Char*)*++ spaces);
if (! splits) {
 return splits ;
}
 splits [spaces-1] = token;
 token = strtok (NULL, " ");
}
 return splits ;
}
 int pause-int (char* str) {
 Char * end ptr;
 int value = strtol (str, & end ptr, 10);
 if (end ptr == str || * end ptr != '\0')
 { exit (Exit-FAILURE ); }
 return value ;
}
```

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