Name: Anuj Singh Bhandari Univ Roll No: 2023035

Student ID: 2005101 Sub: PBI202 Operating System

Q-1: Code:

```
#include <bits/stdc++.h>
using namespace std;
String ltrim(const string &);
String rtrim(const string &);
vector<string> split(const string &);
int minimumAverage(vector<vector<int>> customers) {
}
int main()
{ ofstream fout(getenv("OUTPUT_PATH"));
 String n_temp;
 getline(cin, n_temp);
 int n = stoi(ltrim(rtrim(n_temp)));
 vector<vector<int>> customers(n);
 for(int i=0; i<n; i++) {
 customers[i].resize(2);
String customers_row_temp_temp;
getline(cin, customers_row_temp_temp);
vector<string> customers_row_temp = split
                    (rtrim(customers_row_temp
                    -temp));
```

22/06/21

Ans -

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```
for (int j = 0; j < 2; j++) {
 int customers_ row_ item = stoi (customers - row-temp[j]);
 customers[i][j] = customers_row = item;
 }
}
 int result = minimum Average (customers);
 fout << result << "\n";
 fout. close();
 return 0;
}
string strim (const string & str) {
 string . s (str);
 s. erase (
 s.begin();
 find-if (s.begin(), s. end(), not1 (ptr-fun <int, int>(isspa
    );
   return s;
}
String ortrim (const string & str) {
 string s (str);
 s. erase (
  find-if (s. rbegin(), s. rend(), not1 (ptr-fun <int, int>
                                    (isspace))). base(),
                                      s. end()
    );
```

22/06/21

Anj-

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```
    return s;
}
vector<string> split(const string &str) {
vector<string> tokens;
string::size_type start = 0;
string::size_type end = 0;
while ((end = str.find(" ", start)) != string::npos) {
tokens.push_back(str.substr(start, end - start));
 start = end+1;
 }
tokens.push_back(str.substr(start));
 return tokens;
}
```

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