CIS-1275-102

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Questions:

1. Website info: I found my data at the NOAA website at this link: <https://www.ncdc.noaa.gov/data-access/quick-links#loc-clim> and clicked on the pdf that says “Sample” in the row where it says “GHCN-Daily”. I also attached the pdf to my assignment.
2. Data I’m using: This data is from Maryland in April 1989, I will be using the column that says “Rain, melted snow, etc. (in)”.
3. Analysis I’m doing: I will be determining what percentage of the moth that it was raining, the average rain in the month, and the day with the most rain.

Read code:

Main:

int main()

{

int days[30];

double data[30];

read(days, data);

for (int i = 0; i < 30;++i) {

cout << days[i] << " " << data[i] << endl;

}

return 0;

}

Read function:

void read(int day[], double data[])

{

string lines[61] = {};

int i = 0;

int h = 0;

//Reading the file

string text;

string fileName = "input.txt";

ifstream inputFile;

inputFile.open(fileName);

while (getline(inputFile, text)) {

if (h == 0 || h == 31) {

++h;

continue;

}

lines[i] = text;

++i;

++h;

}

//Putting file info in arrays

for (int j = 0; j < 61; ++j) {

stringstream convert(lines[j]);

if (j < 30) {

convert >> day[j];

}

else {

convert >> data[j - 30];

}

}

}