```
Array of ints: [3] [90] [32] [8] [0]
Array of floats: [2.6] [4.3] [53.6] [83.7] [0.3]
Average for ints: 26.6
```

```cpp
#include <iostream>
#include <fstream>
#include <string>

void readData(std::string fileName, size_t arraySize, int arrayofInts[], float arrayofFloats []);
double averageForIntegerDataset(size_t arraySize, int arrayofInts[]);

int main()
{
  std::string fileName {"data.txt"};
  std::string temp {};
  size_t arraySize {};
  std::fstream fin(fileName, std::ios::in);
  while(std::getline(fin, temp))
    ++arraySize;
  arraySize /= 2;
  fin.close();

  int arrayofInts[arraySize];
  float arrayofFloats[arraySize];
  readData(fileName, arraySize, arrayofInts, arrayofFloats);

  std::cout << "Array of ints: ";
  for(size_t i {0}; i < arraySize; i++)
    std::cout << "[" << arrayofInts[i] << "] ";

  std::cout << "\nArray of floats: ";
  for(auto i : arrayofFloats)
    std::cout << "[" << i << "] ";

  std::cout << "\nAverage for ints: " << averageForIntegerDataset(arraySize, arrayofInts) << "\n";
  return 0;
}

void readData(std::string fileName, size_t arraySize, int arrayofInts[], float arrayofFloats [])
{
  std::fstream fin(fileName, std::ios::in);
  for(size_t i {0}; i < arraySize; i++)
  {
    fin >> arrayofInts[i] >> arrayofFloats[i];
  }
}
double averageForIntegerDataset(size_t arraySize, int arrayofInts[])
{
  double sum {};
  for(size_t i {0}; i < arraySize; i++)
    sum += arrayofInts[i];

  return sum/arraySize;
}
```