Random Number Algorithms Solutions

shuffle() Algorithm

- Briefly describe the std::shuffle algorithm
  - shuffle() takes an iterator range and a random engine instance
  - It randomly rearranges the elements in the iterator range
- Write a simple program that uses shuffle()

std::bernoulli_distribution

- Briefly describe std::bernoulli_distribution

    - std::bernoulli_distribution rescales a sequence of numbers into boolean values

    - It is useful for making 50-50 decisions (decisions with only two outcomes, which are equally probable)

- Write a simple program which uses std::bernoulli_distribution

shuffle implementation

- Write a simple program which has similar functionality to std::shuffle