|  |  |  |
| --- | --- | --- |
|  | TOOP Final Exam Part 1a  Procedural Programming |  |

This section of the final exam is closed book/closed notes and an individual effort. It is to be completed in person on this sheet. You should budget 20 minutes for this section of the exam; you must turn in Part 1 (a and b) after 60 minutes. Fill in the following blanks with the missing code.

|  |
| --- |
| #include <iostream> // For console IO  using namespace std; // using the standard namespace (std::)  /\*  This function returns a random integer between the lower and upper bounds provided.  Upper must be greater than lower; lower is inclusive and upper is exclusive (numbers returned are between lower and upper - 1).  \*/  int generateRandomInt(int lower, int upper) {  return rand() % (upper - lower) + lower;  }  int main() {  int ourArray[10][10]{};  // fill the ourArray variable based off of the following criteria:  // \*use the row INDEX number to determine if it is odd or even row (thus the third row of index 2 would // be considered an even row)  // \*if we are populating an odd row, fill the row with random negative numbers using // generateRandomInt between 0 and the maximum below.  // \*if we are populating an even row, fill the row with positive random multiples of two using // generateRandomInt. Consider 0 to be even.  // \*all numbers should have a maximum absolute value of 2024.          return 0;  } |