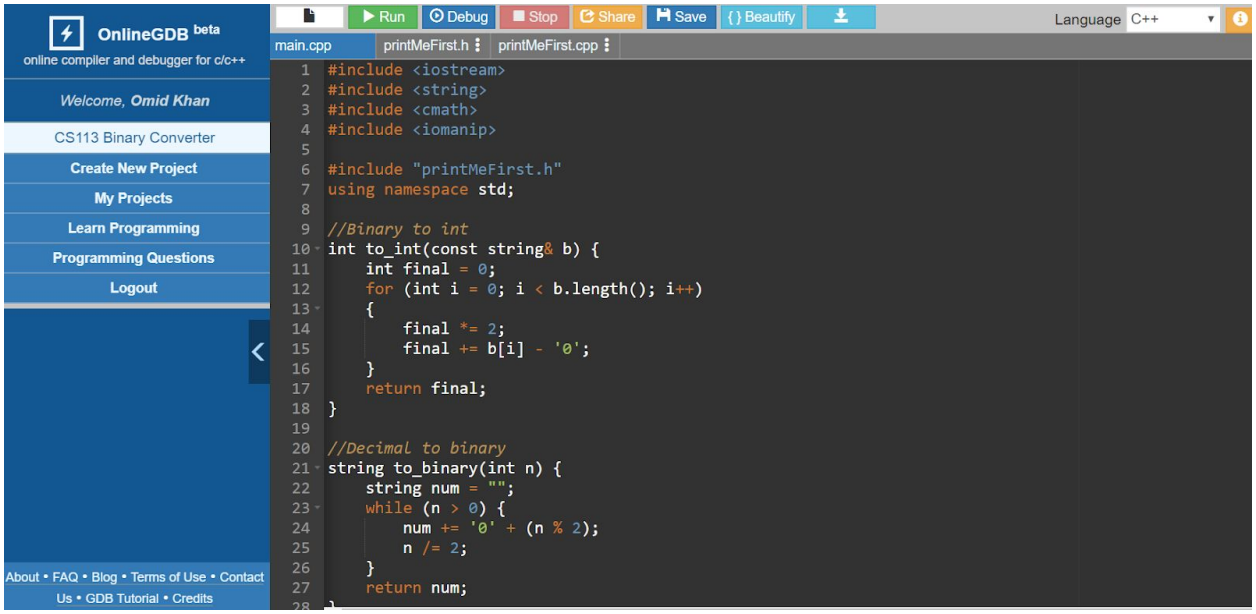
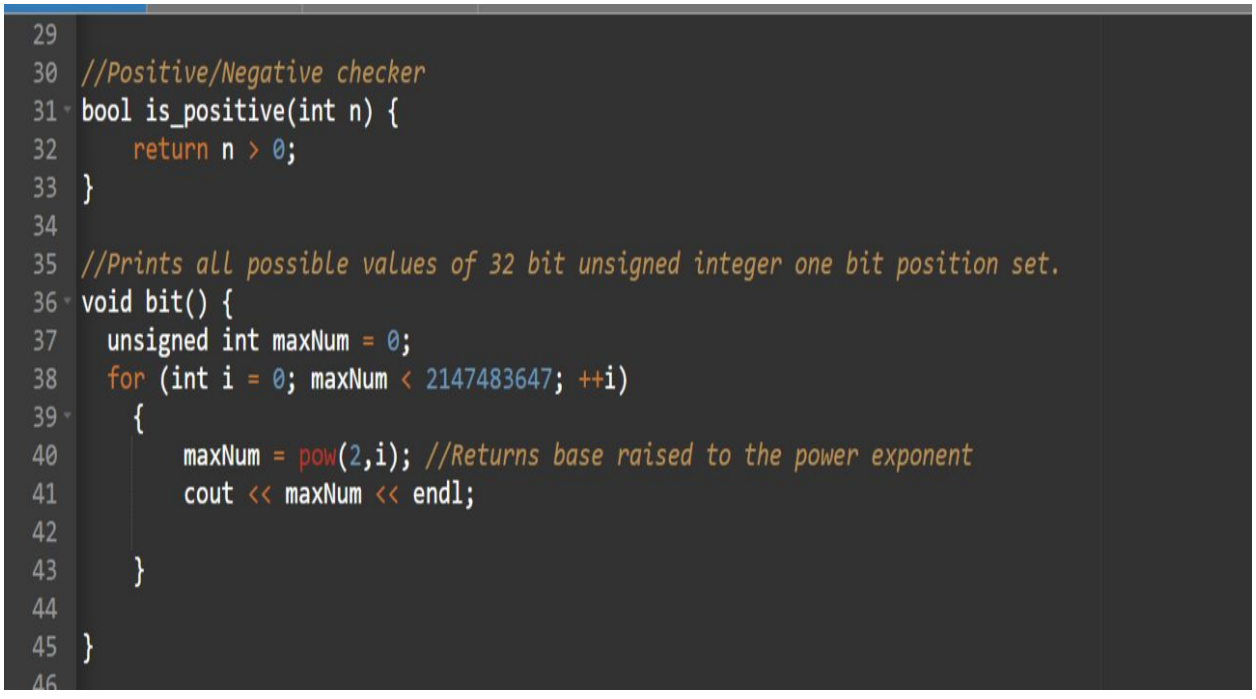
Omid Khan
Prof. Malik
CS113
9/25/19

Lab 3: Binary/Integer Converter





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```
}

int main() {
  //Prints out details and date/time
  printMeFirst("Omid Khan", "Lab3: CS-113 - Binary/Decimal Converter");


  cout << "Algorithm to convert binary number into an integer: " << endl;
  cout << to_int("01010") << endl;

  cout << "\nAlgorithm to convert a decimal number to binary: " << endl;
  cout << to_binary(10) << endl;

  cout << "\nFunction to check if the number is positive or negative: " << endl;
  cout << is_positive(1) << endl;
  cout << is_positive(-1) << endl;

  cout << "\nAlgorithm to print all possible values of 32 bit unsigned integer one bit position set: " << e
  bit();

  return 0;

}
```

input

```
Program written by: Omid Khan
Course info: Lab3: CS-113 - Binary/Decimal Converter
Date: Thu Sep 26 04:04:33 2019

Algorithm to convert binary number into an integer:
10

Algorithm to convert a decimal number to binary:
0101

Function to check if the number is positive or negative:
1
0
```

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```
Algorithm to print all possible values of 32 bit unsigned integer one bit position set:
1
2
4
8
16
32
64
128
256
512
1024
2048
4096
8192
16384
32768
65536
131072
262144
524288
1048576
2097152
4194304
8388608
16777216
33554432
67108864
134217728
```

```
134217728
268435456
536870912
1073741824
2147483648


...Program finished with exit code 0
Press ENTER to exit console.
```