

### **Part 1 (50%, index development)**

Program: Index.py

Command to run the program: `python3 Index.py [directory of offsets.txt] [directory of coords.txt]`

### **Part 2 (20%, range queries)**

Program: Query.py

Command to run the program: `python3 Query.py [directory of Rtree.txt] [directory of Rqueries.txt]`

### **Part 3 (30%, kNN queries)**

Program: kNN.py

Command to run the program: `python3 kNN.py [directory of Rtree.txt] [directory of NNqueries.txt] [number of nearest neighbors]`