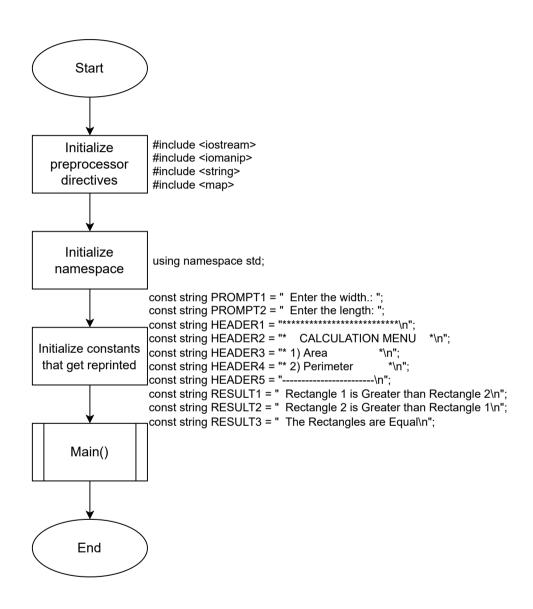
Weston Gibson, Brandon Webb, Cesar Moreno ARC CISP 360 LEC 11442 Module 4 Lab 1 Due 18 September 2021



```
Main
  Weston Gibson, Brandon Webb, Cesar Moreno
  ARC CISP 360 LEC 11442
                                                             Main
                                                                           int main() {
  Module 4 Lab 1
  Due 18 September 2021
                                                                            int selection = 0;
                                                                            double
                                                                             length1 = 0.00,
                                                        Initialize local
                                                                              width 1 = 0.00.
                                                           variables
                                                                              length2 = 0.00.
                                                                              width 2 = 0.00,
                                                                              value1 = 0.00,
                                                                              value2 = 0.00;
                                                        Request input
                                                                            cout << "Rectangle 1:\n" << PROMPT1
                                                        from the user
                                                                              for (int i = 0; i < CATS; i++) {
                                                                                cats[i] = prompt(i);
                                                                                catDisc[i] = round(CAT_DISC[i] * cats[i] * 100.0f) / 100.0f;
                                                                                total += cats[i];
                                                                                totalDisc += catDisc[i];
                                                                             }
                                                            Counter
Iterate counter
                                                            < CATS
     j++
                                                             Ν
                                                                              cout << setw(COL 1 WIDTH) << left << "\nCategory"
   Addition
                                Assign
                                                          Print table
                                                                                << setw(COL 2 WIDTH + 1) << right << "Amount"
 totalDisc +=
                                                          format and
                               cats[i] =
                                                                                << setw(COL 3 WIDTH + 1) << "Discount\n";
                                                          break line
  catDisc[i]
                               prompt(i)
                                                                              break line();
                                                                              for (int i = 0; i < CATS; i++) {
                                Assign
                                                                                cout << endl << setw(COL 1 WIDTH) << left << CAT[i]
   Addition
                              catDisc[i] =
                                                        For loop with
                                                                                  << setw(COL 2 WIDTH) << right << cats[i]
total += cats[i]
                        round(CAT DISC[i] *
                                                         counter = 0
                                                                                << setw(COL_3_WIDTH) << catDisc[i];
                        cats[i] * 100.0f) / 100.0f
                                                            Counter
Iterate counter
                                                            < CATS
      j++
                                                             Ν
                                                                              cout << endl;
                                                                              break line();
                             Display padded
                                                         Display total
                                                                              cout << endl
                               category
                                                              and
                                                                                << setw(COL_1_WIDTH + COL_2_WIDTH - (MAX_DIGITS)) << "$"
                                                                                << setw(MAX_DIGITS) << total
                                 label
                                                        discount total
                                                                                << setw(COL_3_WIDTH - (MAX_DIGITS)) << "$"
                                                                                << setw(MAX_DIGITS) << totalDisc;
Display padded
                            Display padded
   category
                               category
                                                            Return
   discount
                                 value
```

