Graded ICA024 Big-Oh Ex09

CS 244

Graded In-Class Activity: BigOhEx09

```
Operations
main()
   int tot = 0;
   for (i=0; i < n; i++)
       int subtotal = 0;
                                             n
                                     1 + 2 + 3 + ... + (n-1)
       for( k=0; k < i; k++)
                                     1 + 2 + 3 + ... + (n-1)
          subtotal += k;
       tot += subtotal;
```

Create a MS-Word document, named BigOhEx09.docx. Copy the above code and operations table into it. Complete the exercise by including the corresponding Sigma Summation, its simplification, and the final Big-Oh runtime for this code. **Submit the document to the appropriate D2L dropbox, before class ends**