STAT 580 Homework 1

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1. #include <stdio.h>
    #define lower 0
    #define upper 200
#define rows 12

int main()
{
        double f, c, step;
        int i;

        f = lower;
        step = (upper - lower) / (double) (rows - 1);
        printf("F\tC\n");

        for (i = 1; i <= rows; i++)
        {
            c = 5.0 * (f - 32.0) / 9.0;
            printf("%.1f\t%.1f\n", f,c);
            f = f + step;
        }
        return 0;
}</pre>
```

```
4. #include <stdio.h>
  int main()
      char ch1, ch2;
      int count = 0;
      ch1 = getchar();
      if (ch1 != EOF)
          ch2 = ch1;
          ch2 = getchar();
         if (ch1 != '_' && ch1 != '\t' && ch1 != '\n')
          count++;
      } else {
         printf("\nNumber_of_words:_%d\n", count);
      while (ch2 != EOF)
          if ((ch1 == '\' | ch1 == '\t' | ch1 == '\n') && (ch2 != '\' &&
              ch2 != '\t' && ch2 != '\n'))
             count++;
          ch1 = ch2;
          ch2 = getchar();
      printf("\nNumber_of_words:_%d\n", count);
      return 0;
```

- **5.** (a) 3/2 + 1 1 2
 - value: 2
 - (b) 1/2 + 3.0/4.0 1 2 1
 - value: 0.75
 - - value: 0
 - (d) x=3+2
 - 2 1
 - value: 5
 - (e) j+=i++
 - 2 1
 - value: 2
 - value of i: 1