

```

class Post {
    int      post_id;    //getter
    int      word_count; //getter
    Date     creation_date; //getter
    List<Post> replies;   //getter

    Post(....)
    {
        this .post_id = postid
        ....
        ...
    }
    getpost_id()
    {
        Return postid;
    }
    List<Post> get_replies(){
        Return replies;
    }
}

interface Analyzer {
    static int longest_post_word_count; //getter, setter
    static int      num_posts;
    count_total_posts();
    calc_avg_replies();
    calc_avg_duration();
}

class WeightedAnalyzer implements Analyzer {

    WeightedAnalyzer(List<Post> posts) {
        this.posts = posts;
    }
    calc_avg_replies(){...}
}

class UnweightedAnalyzer implements Analyzer {
}

```

POSTS table

```
POST row {  
    int      post_id;  
    int      word_count;  
    Date     creation_date;  
    int      parent_post_id;  
}
```

```
SELECT * FROM POSTS WHERE parent_post_id == {id} ...
```