RECRUITMENT TEST

1. A high-traffic e-commerce website such as BetOnMarkets.com requires robust and quality code.

Please review the following code and list all the problems that you see with it. Please list <u>all</u> the coding errors/poor coding practices that you can see in this code.

```
sub output()
{
    print "<ul>"
    $conn = mysql_connect( "mysql.foo.org:412", "kum", "overmoon" );
    mysql_select_db( "kum", $conn );    #selects a database
    $q = " SELECT * FROM main WHERE id > " . $_GET["id"]. ";";
    $res = mysql_query( $q, $conn);
    while( $row = mysql_fetch_assoc($res) )
    {
        print "<li>".$row['description']."</li>";
    }
    print "</ul><br><ul>";
    $q = " SELECT * FROM main WHERE id < " . $_GET["id"]. ";";
    $res = mysql_query( $q, $conn);
    while( $row = mysql_fetch_assoc($res) )
    {
        print "<li>".$row['description']."</li>";
    }
    print "</ul>";
}
```

2. Say you need to regularly send pricing parameters from a central server to 40 different servers around the globe. Suggest a solution to this problem.

3. Choose one of following mini projects and share your git repository with us after your code is complete. Also provide a document describing your design and methodology.

   * Clone the git repository in https://github.com/regentmarkets/miniature_pricer and develop a pricing system in language for your choice as described in the README file.

   * Clone the git repository in https://github.com/regentmarkets/rmg-odds and develop a pricing system in Perl as described in the README file.