```php
<?php

?>
<html>
    <head>
        <title>Postcode Finder</title>
        <link rel="stylesheet"
            href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/css/bootstra
            p.min.css"
            integrity="sha384-rwoIResjU2yc3z8GV/NPeZWAv56rSmLldC3R/AZzGRnGxQQKnKkoFVhF
            QhNUwEyJ" crossorigin="anonymous">
    </head>
    <body>
        <div class="container text-center" id="main">
            <h1>Postcode Finder</h1>
            <p>Enter a partial address to obtain the postcode number</p>
            <form>
                <div class="form-group">
                    <input type="text" class="form-control" id="address"
                        placeholder="Enter Partial Address">
                </div>
                <button class="btn btn-primary" id="findPC">Submit</button>
            </form>
        </div>
        <div id="postcode"  class="container text-center">

        </div>
        <script src="https://code.jquery.com/jquery-3.1.1.slim.min.js"
            integrity="sha384-A7FZj7v+d/sdmMqp/nOQwliLvUsJfDHW+k9Omg/a/EheAdgtzNs3hpfa
            g6Ed950n" crossorigin="anonymous"></script>
        <script
            src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></s
            cript>
        <script src="https://npmcdn.com/tether@1.2.4/dist/js/tether.min.js"></script>
        <script
            src="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0-alpha.6/js/bootstrap.
            min.js"
            integrity="sha384-vBWWzlZJ8ea9aCX4pEW3rVHjgjt7zpkNpZk+02D9phzyeVkE+jo0ieGi
            zqPLForn" crossorigin="anonymous"></script>
        <script type="text/javascript">
            var position = {};
            $("#findPC").click(function(e)
            {
                e.preventDefault();
                $.ajax(
                {
                    url:
                        "https://maps.googleapis.com/maps/api/geocode/json?address="+e
                        ncodeURIComponent($("#address").val())+"&key=AIzaSyCZuL29iBFoA
                        F6Hhd_NYD-fdsJFSZ1a3Xw",
                    type: "GET",
                    success: function (data)
                    {
                        if(data["status"]!="OK")
                        {
                            $("#postcode").html(
                            '<div class="alert alert-warning" role="alert">'
                                +'Could not find the address you entered'+
                            '</div>');
                        }
                        else
                        {
                            //loop through the returning json array with "each",
                            //then use the array (function). Key is the index,
                            //while value is the value of the item at that index
                            $.each(data["results"][0]["address_components"],
                                function(key,value)
                            {
                                if(value["types"][0] == "postal_code")
                                {
                                    $("#postcode").html(
                                    '<div class="alert alert-success" role="alert">'+
```

```
                                    'Postcode: '+value["long_name"]+
                                '</div>');
                        }
                    })
                }
            });
        });
    </script>
    </body>
</html>
```