Node.js for Beginners

1. Write an express web server that is protected with basic auth.

```
var express = require('express'),
  app = express();
app.use(express.basicAuth('username', 'password'));
app.all('*',function(req,res) {
  res.send('yay');
});
app.listen(9000);
```

2. Write an express server that uses sessions to remember the user agent of a user and track the number of requests that have been made by that user.

```
var express = require('express');
var app = express();

app.use(express.cookieParser());
app.use(express.session({secret: 'fooD bar'}));

app.all('*', function(req, res) {
  if(!req.session.userAgent)
    req.session.userAgent = req.headers['user-
agent'];
  if(!req.session.numRequests)
    req.session.numRequests = 1;
  else
    req.session.numRequests++;
  res.send(200);
});

app.listen(process.env.PORT || 8080);
```

3. Write a node script that uses bcrypt to hash and salt the string 'passw0rd'.

```
    //taken from https://github.com/ncb000gt/node.
bcrypt.js/
    var bcrypt = require('bcrypt');
    bcrypt.genSalt(10, function(err, salt) {
        bcrypt.hash("passw0rd", salt, function(err,
hash) {
            // Do something with the salted hash
        });
    });
```