# NGINX CHEAT SHEET

**Port (`listen`)**
```
server {
  # standard HTTP protocol
  listen 80;

  # standard HTTPS protocol
  listen 443 ssl;

  # listen on 80 using IPv6
  listen [::]:80;

  # listen only on IPv6
  listen [::]:80 ipv6only=on;
}
```

**Access Logging (`access_log`)**
```
server {
  # Relative or full path to log file
  access_log /path/to/file.log;

  # Turn 'on' or 'off'
  access_log on;
}
```

**Miscellaneous (`gzip, client_max_body_size`)**
```
server {
  # Turn gzip compression 'on' or 'off'
  gzip on;

  # Limit client body size to 10mb
  client_max_body_size 10M;
}
```

**Static assets**
```
server {
  listen 80;
  server_name yourdomain.com;

  location / {
        root /path/to/website;
  }
}
```

**Static assets with HTML5 History Mode**
```
server {
  listen 80;
  server_name yourdomain.com;
  root /path/to/website;

  location / {
        try_files $uri $uri/
/index.html;
  }
}
```

**Load Balacing**
```
upstream node_js {
  server 0.0.0.0:3000;
  server 0.0.0.0:4000;
  server 123.131.121.122;
}

server {
  listen 80;
  server_name yourdomain.com;

  location / {
    proxy_pass http://node_js;
  }
}
```

**Domain name (`server_name`)**
```
server {
  # Listen to yourdomain.com
  server_name yourdomain.com;

  # Listen to multiple domains
  server_name yourdomain.com www.yourdomain.com;

  # Listen to all sub-domains
  server_name *.yourdomain.com;

  # Listen to all top-level domains
  server_name yourdomain.*;

  # Listen to unspecified hostnames (listens to IP address itself)
  server_name "";
}
```

**Redirect**
```
server {
  listen 80;
  server_name www.yourdomain.com;
  return 301 http://yourdomain.com$request_uri;
}
```

```
server {
  listen 80;
  server_name yourdomain.com;

  location /redirect-url {
        return 301 http://otherdomain.com;
  }
}
```

**Reverse Proxy**
```
server {
  listen 80;
  server_name yourdomain.com;

  location / {
    proxy_pass http://0.0.0.0:3000;
    # where 0.0.0.0:3000 is your Node.js Server bound on 0.0.0.0
listing on port 3000
  }
}
```

**SSL**
```
server {
  listen 443 ssl;
  server_name yourdomain.com;

  ssl on;

  ssl_certificate /path/to/cert.pem;
  ssl_certificate_key /path/to/privkey.pem;

  ssl_stapling on;
  ssl_stapling_verify on;
  ssl_trusted_certificate /path/to/fullchain.pem;

  ssl_protocols TLSv1 TLSv1.1 TLSv1.2;
  ssl_session_timeout 1d;
  ssl_session_cache shared:SSL:50m;
  add_header Strict-Transport-Security max-age=15768000;
}

# Permanent redirect for HTTP to HTTPS
server {
  listen 80;
  server_name yourdomain.com;
  return 301 https://$host$request_uri;
}
```