

```
#Informationgatheringtool
```

```
import sys
```

```
import requests
```

```
import socket
```

```
import json
```

```
if len(sys.argv) < 2:
```

```
    print("Usage: " + sys.argv[0] + "<url>")
```

```
    sys.exit(1)
```

```
req = requests.get("https://" + sys.argv[1])
```

```
print("\n" + str(req.headers))
```

```
gethostby_ = socket.gethostbyname(sys.argv[1])
```

```
print("\nThe Ip address of " + sys.argv[1] + " is: " + gethostby_ + "\n")
```

```
req_two = requests.get("https://ipinfo.io" + gethostby_ + "/json")
```

```
resp_ = json.loads(req_two.text)
```

```
print("location: " + resp_["loc"])
```

```
print("region: " + resp_["region"])
```

```
print("City : " + resp_["city"])
```

```
print("Country: " + resp_["country"])
```