

This Project is Created By Jyotirmay Chowdhury.

<https://jyotirmaychowdhury.pages.dev/>

```
import urllib.request as urllib

def main(url):
    print("Checking connectivity ")

    response = urllib.urlopen(url)
    print("Connected to" , url, "succesfully")
    print("The response code was: ", response.getcode())

print("This is a site connectivity checker program")
input_url = input("Input the url of the site you want to check: ")

main(input_url)
```

This Python code is a simple program that checks the connectivity of a website by trying to open a connection to the given URL. Here's a step-by-step explanation of what each part of the code does:

1. **import urllib.request as urllib**: This line imports the **urllib.request** module and gives it the alias **urllib** to make it easier to use.
2. **def main(url)::** This line defines a function named **main** that takes one parameter, **url**, representing the website's URL.
3. Inside the **main** function:
 - **print("Checking connectivity")**: This line prints a message to inform the user that the program is checking

the website's connectivity.

- `response = urllib.urlopen(url)`: This line attempts to open a connection to the provided URL using the `urlopen` function from the `urllib` module. The result is stored in the `response` variable.
 - `print("Connected to", url, "successfully")`: If the connection is successful, this line prints a message indicating that the program has successfully connected to the specified URL.
 - `print("The response code was: ", response.getcode())`: This line prints the HTTP response code returned by the website. The response code indicates the status of the connection and whether the website is accessible.
4. `print("This is a site connectivity checker program")`: This line prints a message to inform the user about the purpose of the program.
5. `input_url = input("Input the URL of the site you want to check: ")`: This line prompts the user to input the URL of the website they want to check and stores it in the variable `input_url`.
6. `main(input_url)`: This line calls the `main` function with the user-provided URL as an argument, initiating the website connectivity check.

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In summary, this code is a basic website connectivity checker program. It asks the user for a website URL, attempts to connect to the URL, and reports whether the connection was successful and the HTTP response code received from the website.