Assignment 3

XSS and Fix on xxs_2.py

- Start running the python file on terminal using command: 'python3 xss_2.py'
- Start postman to test for input validity and ensure a well formed html at each instances.
- On the browsers instead of 'name', I inserted "><button onClick="alert('You have a virus');>Click me</button><a href=" in order to achieve a button that when clicked, gives and alert.

Fix

 inserted 'from html import escape' and 'format(escape(name))' to avoid XSS attack on the page.

The screenshots for this exercise are below:



Fig1. Attacked site

Fig 2. Well formed html after inserting XSS script

Fig3. Fixed site showing characters instead of well formed html