**Get Wifi Password Using Python**

## ****Project Prerequisites:****

We need to install the subprocess module to run this code.

**subprocess:**

Subprocess in Python is a module used to run new codes and applications by creating new processes. . It lets you start new applications right from the Python program you are currently writing. So, if you want to run external programs from a git repository or codes from C or C++ programs, you can use subprocess in Python.

## ****Code Implementation:****

In this program we use

We need to import the sub-process module in this way.

**import subprocess**

**Sub-process. Check output ():** this is used to get the output of the calling program in python. . The args argument holds the commands that are to be passed as a string.

We need to decode the output so that we get strings back and not bytes.

The **split ()** method splits a string into a list.

Decoding UTF-8 Strings in Python

To decode a string encoded in UTF-8 format, we can use the decode () method specified onstrings. This method accepts two arguments, encoding and error. Encoding accepts the encoding of the string to be decoded, and error decides how to handle errors that arise during decoding.

**data = (**

**subprocess.check\_output(["netsh", "wlan", "show", "profiles"])**

**.decode("utf-8")**

**.split("\n")**

**)**

**profiles = [i.split(":")[1][1:-1] for i in data if "All User Profile" in i]**

**for i in profiles:**

**results = (**

**subprocess**

**.check\_output(["netsh", "wlan", "show", "profile", i, "key=clear"])**

**.decode("utf-8")**

**.split("\n")**

**)**

**results = [b.split(":")[1][1:-1] for b in results if "Key Content" in b]**

Try and except statements are used to catch and handle exceptions in Python. Statements that can raise exceptions are kept inside the try clause.

**try:**

**print(“{:<30}|  {:<}”.format(i, results[0]))**

**except IndexError:**

**print(“{:<30}|  {:<}”.format(i, “”))**