1 (b)

2 All of them are web scrapping library in python

3 ( d)

4 (a)

5 (b)

6(c)

7(c)

8(c)

9(c)

10(d)

11 What is the main difference between a web scraper and a web crawler?

web crawlers usually focus on indexing the web while [web scrapers](https://www.skylynapps.com/scrapemate/) extract or "scrape" data from webpages.

1. What is **‘robots.txt’** file? What is the use of **‘robots.txt’** file?

A **robots**. **txt file** is a simple **text file** which webmasters can create to tell web crawlers which parts of a website should be crawled and which should not

**13** What are static and dynamic web pages?

In **static web pages**, **Pages** will remain same until someone changes it manually.

In **dynamic web pages**, Content of **pages** are different for different visitors

**14** Write a python program to check whether a webpage contains a title or not.

**from urllib.request import urlopen**

**from urllib.error import HTTPError**

**from bs4 import BeautifulSoup**

**def getTitle(url):**

**try:**

**html = urlopen(url)**

**except HTTPError as e:**

**return None**

**try:**

**bsObj = BeautifulSoup(html.read(), "lxml")**

**title = bsObj.body.h1**

**except AttributeError as e:**

**return None**

**return title**

**title = getTitle(url)**

**if title == None:**

**return "Title could not be found"**

**else:**

**return title**

**print(getTitle("https://www.flipkart.com/"))**

**print(getTitle("http://www.amazon.com/"))**

15. Write a python program to access the search bar and search button on images.google.comdriver = webdriver.Chrome()

driver.get("https://www.nytimes.com")

headlines = driver.find\_elements\_by\_class\_name("story-heading")

for headline in headlines:

print(headline.text.strip())