Question 1

```python
import requests
from bs4 import BeautifulSoup
url = input("Enter URL: ")
r = requests.get(url)
soup = BeautifulSoup(r.text, 'html.parser')
for img in soup.find_all('img'):
    print(img.get('src'))
```

Question 2

```python
import pandas as pd
url =
"https://en.wikipedia.org/wiki/List_of_Indian_Premier_League_team
s"
tables = pd.read_html(url)
df = tables[0]
df.columns = df.columns.droplevel(0)
df = df[df['Founded'] >= 2010]
df = df.sort_values(by='Team')
print(df)
```

Question 3

```python
import requests
from bs4 import BeautifulSoup
from pymongo import MongoClient
url = "https://example.com/weather"
r = requests.get(url)
soup = BeautifulSoup(r.text, 'html.parser')
data = []
```

```
for item in soup.select('.weather-item'):
    date = item.select_one('.date').text
    temp = float(item.select_one('.temp').text.replace('°C', ''))
    cond = item.select_one('.cond').text
    data.append({'date': date, 'temperature': temp, 'condition':
cond})
client = MongoClient('localhost', 27017)
db = client.weatherdb
col = db.weather
col.insert_many(data)
for i in col.find({'temperature': {'$gt': 35}}):
    print(i)
```

Question 4

Python

```
import pandas as pd
from pymongo import MongoClient
client = MongoClient('localhost', 27017)
db = client.company
col = db.employees
df = pd.DataFrame(list(col.find()))
df =
df.groupby('department')['salary'].mean().reset_index().sort_valu
es(by='salary', ascending=False)
print(df)
```

Question 5

Python

```
import requests
from bs4 import BeautifulSoup
from pymongo import MongoClient
url = "https://example.com/crypto"
```

```
r = requests.get(url)
soup = BeautifulSoup(r.text, 'html.parser')
data = []
for c in soup.select('.crypto'):
    name = c.select_one('.name').text
    symbol = c.select_one('.symbol').text
    price = float(c.select_one('.price').text.replace('$',
'').replace(',', ''))
    data.append({'name': name, 'symbol': symbol, 'price': price})
client = MongoClient('localhost', 27017)
db = client.crypto
col = db.prices
col.insert_many(data)
max_price = col.find_one(sort=[('price', -1)])
print(max_price)
```

Question 6

Python

```
import pandas as pd
from pymongo import MongoClient
import matplotlib.pyplot as plt
client = MongoClient('localhost', 27017)
db = client.school
col = db.grades
df = pd.DataFrame(list(col.find()))
avg = df.groupby('subject')['grade'].mean()
avg.plot(kind='bar')
plt.xlabel('Subject')
plt.ylabel('Average Grade')
plt.title('Average Grades per Subject')
plt.show()
```