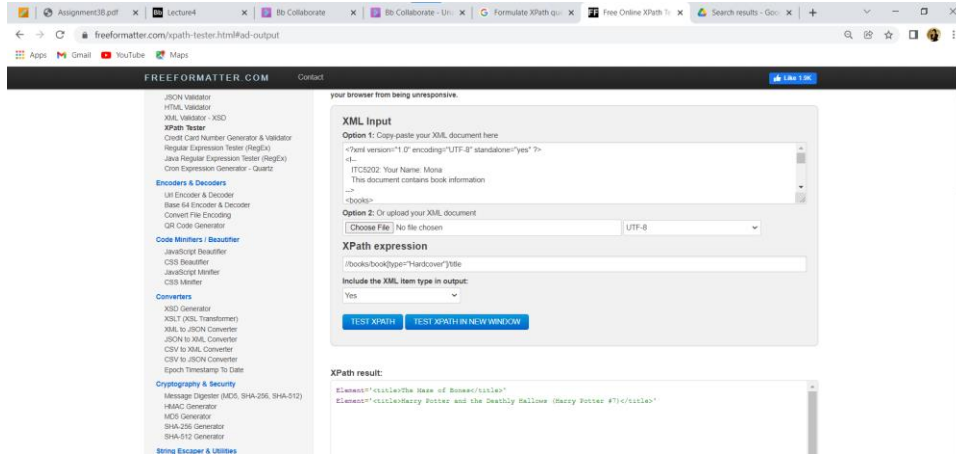


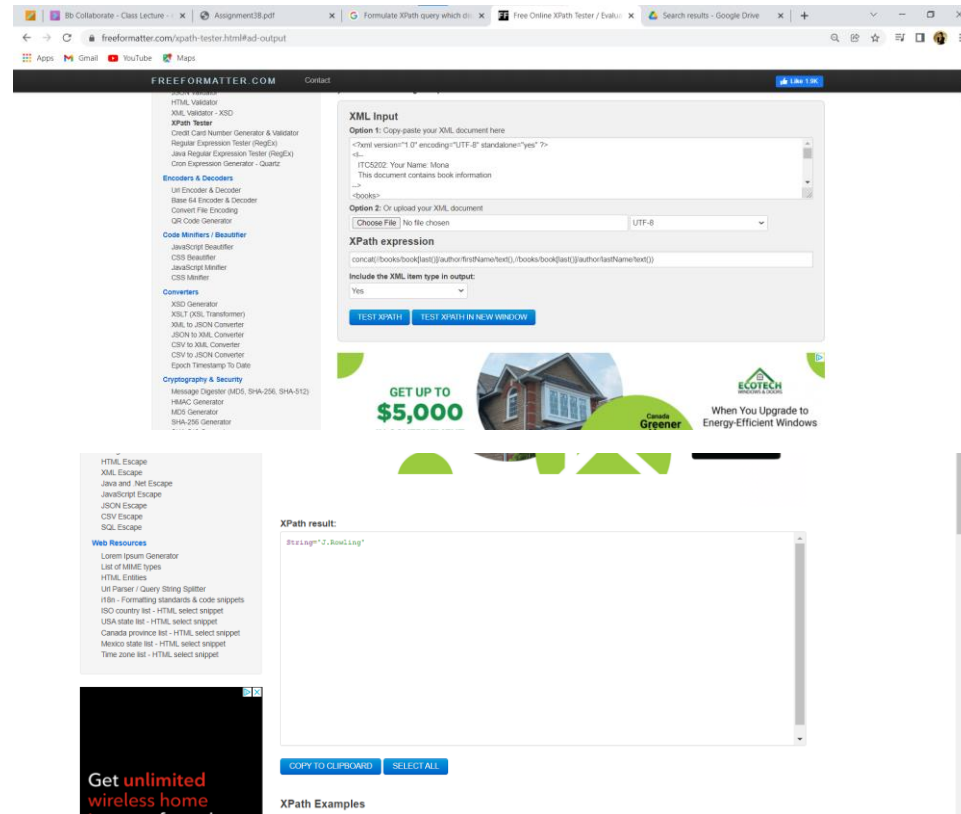
Assignment 3

Part-A

1)



2)



3)

The screenshot shows the freeformatter.com website with the XPath Tester tool. The XML input is as follows:

```
<?xml version='1.0' encoding='UTF-8'>
<category>adventure</category>
<book>
  <ISBN>1045000307</ISBN>
  <title>The Lion's Quest</title>
  <author>
    <author>Rick</author>
    <author>Rorden</author>
  </author>
  <type>Softcover</type>
</book>
</category>
```

The XPath expression used is: `//books/book[category='adventure']/title`. The result is: `The Lion's Quest`.

4)

The screenshot shows the freeformatter.com website with the XPath Tester tool. The XML input is as follows:

```
<?xml version='1.0' encoding='UTF-8'>
<category>adventure</category>
<book>
  <ISBN>1045000307</ISBN>
  <title>The Lion's Quest</title>
  <author>
    <author>Rick</author>
    <author>Rorden</author>
  </author>
  <type>Softcover</type>
  <price>10</price>
</book>
</category>
```

The XPath expression used is: `//books/book[price=10]/type`. The result is: `Softcover`.

Part-B

1)

```
1 <?xml version="1.0" encoding="UTF-8" ?>
2
3 <xsl:stylesheet version="1.0"
4   xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
5
6   <xsl:template match="/">
7
8     <html>
9       <head>
10        <title>Assignment-3</title>
11      </head>
12      <body>
13        <h1>Mona Shah - N01479948</h1>
14        <table border="2">
15          <tr>
16            <td><b>ISBN</b></td>
17            <td><b>Title</b></td>
18            <td><b>Author</b></td>
19            <td><b>Type</b></td>
20            <td><b>Publisher</b></td>
21            <td><b>SellPrice</b></td>
22            <td><b>Categories</b></td>
23          </tr>
24          <xsl:for-each select="//books/book">
25            <tr>
26              <td><xsl:value-of select="@ISBN"/></td>
27              <td><xsl:value-of select="title"/></td>
28              <td><xsl:value-of select="author"/></td>
29              <td><xsl:value-of select="type"/></td>
30              <td><xsl:value-of select="publisher"/></td>
31              <td><xsl:value-of select="sellPrice"/></td>
32              <td><xsl:value-of select="categories"/></td>
33            </tr>
34          </xsl:for-each>
35        </table>
36      </body>
37    </html>
38  </xsl:template>
39
40 </xsl:stylesheet>
```

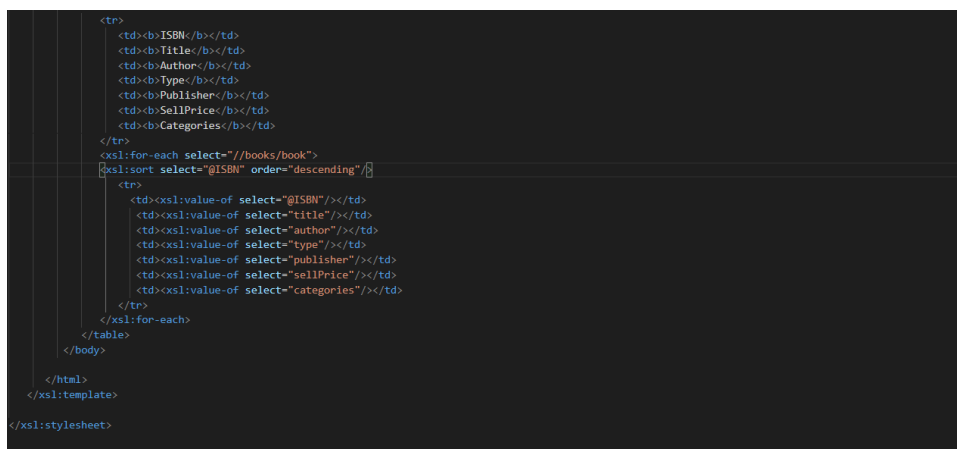
```
1 <?xml version="1.0" encoding="UTF-8" standalone="yes" ?>
2 <xsl:stylesheet type="text/xsl" href="XSL-stylesheet.xsl">
3 </xsl:stylesheet>
4
5 <xsl:template match="/">
6   <html>
7     <head>
8       <title>Assignment-3</title>
9     </head>
10    <body>
11      <h1>Mona Shah - N01479948</h1>
12      <table border="2">
13        <tr>
14          <td><b>ISBN</b></td>
15          <td><b>Title</b></td>
16          <td><b>Author</b></td>
17          <td><b>Type</b></td>
18          <td><b>Publisher</b></td>
19          <td><b>SellPrice</b></td>
20          <td><b>Categories</b></td>
21        </tr>
22        <xsl:for-each select="//books/book">
23          <tr>
24            <td><xsl:value-of select="@ISBN"/></td>
25            <td><xsl:value-of select="title"/></td>
26            <td><xsl:value-of select="author"/></td>
27            <td><xsl:value-of select="type"/></td>
28            <td><xsl:value-of select="publisher"/></td>
29            <td><xsl:value-of select="sellPrice"/></td>
30            <td><xsl:value-of select="categories"/></td>
31          </tr>
32        </xsl:for-each>
33      </table>
34    </body>
35  </html>
36 </xsl:template>
37
38 </xsl:stylesheet>
```



Mona Shah - N01479948

ISBN	Title	Author	Type	Publisher	SellPrice	Categories
1014138202	The Titan's Curse	Rick Riordan	Softcover	Penguin Books	7.95	children teens top-seller fiction adventure
10545060397	The Maze of Bones	Rick Riordan	Hardcover	Scholastic	10.95	children teens top-seller fiction adventure
10439306183	100 Words Kids Need to Read by 3rd Grade	Mason K. Scholastic	Softcover	Scholastic	5.95	children non-fiction educational
19780545010221	Harry Potter and the Deathly Hallows (Harry Potter #7)	J. K. Rowling	Hardcover	Bloomsbury Publishing	12.95	children teens adult top-seller fiction adventure

2)



Mona Shah - N01479948

ISBN	Title	Author	Type	Publisher	SellPrice	Categories
19780545010221	Harry Potter and the Deathly Hallows (Harry Potter #7)	J. K. Rowling	Hardcover	Bloomsbury Publishing	12.95	children teens adult top-seller fiction adventure
10545060397	The Maze of Bones	Rick Riordan	Hardcover	Scholastic	10.95	children teens top-seller fiction adventure
10439306183	100 Words Kids Need to Read by 3rd Grade	Mason K. Scholastic	Softcover	Scholastic	5.95	children non-fiction educational
1014138202	The Titan's Curse	Rick Riordan	Softcover	Penguin Books	7.95	children teens top-seller fiction adventure

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*/*****/