

## Part-A

1.

```
<?php
$xml = simplexml_load_file("movies2.xml");

$resultArr = $xml->xpath("/movies//genre | //movies/year");
foreach($resultArr as $result) {
    print "we found: $result <br/> ";
};
?>
```

output:



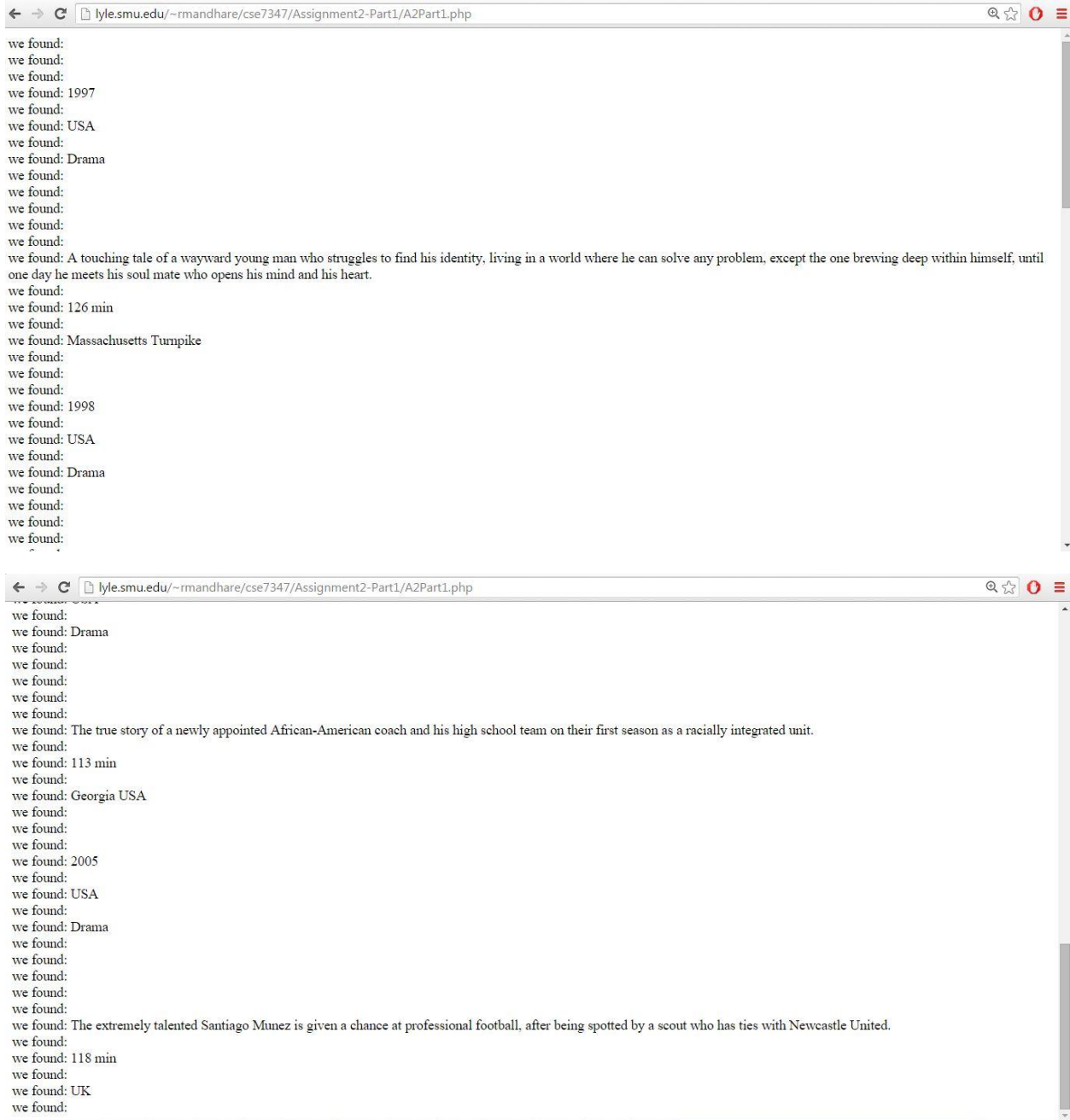
```
we found: 1997
we found: Drama
we found: 1998
we found: Drama
we found: 2009
we found: Romance
we found: 2000
we found: Drama
we found: 2005
we found: Drama
```

2.

```
<?php
$xml = simplexml_load_file("movies2.xml");

$resultArr = $xml->xpath("child::node()");
foreach($resultArr as $result) {
    print "we found: $result <br/> ";
};
?>
```

output:



```
3. <?php
$xml = simplexml_load_file("movies2.xml");

$resultArr = $xml->xpath("/movies/country | // year");
foreach($resultArr as $result) {
    print "we found: $result <br/> ";
};
?>
```

← → ↻ lyle.smu.edu/~rmandhare/cse7347/Assignment2-Part1/A2Part1.php

we found: 1997  
we found: USA  
we found: 1998  
we found: USA  
we found: 2009  
we found: USA  
we found: 2000  
we found: USA  
we found: 2005  
we found: USA

Movies.xml

```
<?xml version="1.0" encoding="UTF-8" ?>
<movies>
  <title rm1="Good will Hunting"> </title>
  <year>1997</year>
  <country>USA</country>
  <genre>Drama</genre>
  <director>
    <firstname>Gus</firstname>
    <lastname>sant</lastname>
    <born>1952</born>
  </director>
  <actor>
    <firstname>Matt</firstname>
    <lastname>Damon</lastname>
    <role>Main character</role>
  </actor>
  <summary xml:lang="en">
    A touching tale of a wayward young man who struggles to find his
    identity, living in a world where he can solve any problem, except the one
    brewing deep within himself, until one day he meets his soul mate who opens
    his mind and his heart.
  </summary>
  <length>126 min</length>
  <location>Massachusetts Turnpike</location>
  <title rm2="The Truman Show"> </title>
  <year>1998</year>
  <country>USA</country>
  <genre>Drama</genre>
  <director>
```

```

    <firstname>Peter</firstname>
    <lastname>Weir</lastname>
    <born>1944</born>
</director>
<actor>
    <firstname>Jim</firstname>
    <lastname>Carrey</lastname>
    <role>Main character</role>
</actor>
<summary xml:lang="en">
    In this movie, Truman is a man whose life is a fake one... The place
    he lives is in fact a big studio with hidden cameras everywhere, and all his
    friends and people around him, are actors who play their roles in the most
    popular TV-series in the world: The Truman Show. Truman thinks that he is an
    ordinary man with an ordinary life and has no idea about how he is exploited.
    Until one day he finds out everything.
</summary>
<length>103 min</length>
<location>California USA</location>
<title rm3="(500) Days of Summer"> </title>
<year>2009</year>
<country>USA</country>
<genre>Romance</genre>
<director>
    <firstname>Marc</firstname>
    <lastname>Webb</lastname>
    <born>1974</born>
</director>
<actor>
    <firstname>Joseph</firstname>
    <lastname>GordonLevitt</lastname>
    <role>Main character</role>
</actor>
<summary xml:lang="en">
    An offbeat romantic comedy about a woman who doesn't believe true
    love exists, and the young man who falls for her.
</summary>
<length>95 min</length>
<location>California USA</location>
<title rm4="Remember the Titans"> </title>
<year>2000</year>
<country>USA</country>
<genre>Drama</genre>
<director>
    <firstname>Boaz</firstname>
    <lastname>Yakin</lastname>
    <born>1966</born>
</director>
<actor>
    <firstname>Denzel</firstname>
    <lastname>Washington</lastname>
    <role>Main character</role>
</actor>
<summary xml:lang="en">
    The true story of a newly appointed African-American coach and his
    high school team on their first season as a racially integrated unit.
</summary>
<length>113 min</length>
<location>Georgia USA</location>
<title rm5="Goal! The Dream Begins"> </title>
<year>2005</year>
<country>USA</country>
<genre>Drama</genre>
<director>

```

```

        <firstname>Danny</firstname>
        <lastname>Cannon</lastname>
        <born>1968</born>
    </director>
    <actor>
        <firstname>Leonardo</firstname>
        <lastname>Guerra</lastname>
        <role>Main character</role>
    </actor>
    <summary xml:lang="en">
        The extremely talented Santiago Munez is given a chance at
        professional football, after being spotted by a scout who has ties with
        Newcastle United.
    </summary>
    <length>118 min</length>
    <location>UK</location>
</movies>

```

## Part-B:

### php:

```

<?php

$doc = new DOMDocument();
$doc->load('relax.xml');

if ($doc->relaxNGValidate("relax.rng"))
echo "<h3>Docment is VALID</h3>";
else
echo "<h3>NOT NOT NOT VALID</h3>";

?>

```

### Xml:

```

<?xml version="1.0" encoding="UTF-8" ?>
<msg>hello XML</msg>

```

### RelaxNG:

```

<?xml version="1.0" encoding="UTF-8"?>
<element ns="" xmlns="http://relaxng.org/ns/structure/1.0" name="msg">
<text/>
</element>

```

Output:

← → ↻  lyle.smu.edu/~rmandhare/cse7347/Assignment2/A2.php

**Docment is VALID**