

CS22M047

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Domain: Movies (Group 8)

- Following are some XPath queries for the moviesCatalog XML file:

1. Select all movie titles:

XPath:

/moviesCatalog/movies/movie/title

Result:

Results				
Description - 7 items	XPath location	Resource	System ID	Location
Bajrangi Bhaijaan	/moviesCatalog[1]/movies[1]/movie[1]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	7:13
Kabhi Khushi Kabhie Gham...	/moviesCatalog[1]/movies[1]/movie[2]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	28:13
Dilwale Dulhania Le Jayenge	/moviesCatalog[1]/movies[1]/movie[3]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	50:13
Andaz Apna Apna	/moviesCatalog[1]/movies[1]/movie[4]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	73:13
Baahubali: The Beginning	/moviesCatalog[1]/movies[1]/movie[5]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	99:13
Dangal	/moviesCatalog[1]/movies[1]/movie[6]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	123:13
Uri: The Surgical Strike	/moviesCatalog[1]/movies[1]/movie[7]/titl...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	144:13

2. Select the names of all directors:

XPath:

/moviesCatalog/persons/person[contains(@id, 'd')]/name

Result:

Results				
Description - 7 items	XPath location	Resource	System ID	Location
Kabir Khan	/moviesCatalog[1]/persons[1]/person[1]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	165:13
Karan Johar	/moviesCatalog[1]/persons[1]/person[2]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	169:13
Aditya Chopra	/moviesCatalog[1]/persons[1]/person[3]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	173:13
Rajkumar Santoshi	/moviesCatalog[1]/persons[1]/person[4]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	177:13
S. S. Rajamouli	/moviesCatalog[1]/persons[1]/person[5]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	181:13
Nitesh Tiwari	/moviesCatalog[1]/persons[1]/person[6]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	185:13
Aditya Dhar	/moviesCatalog[1]/persons[1]/person[7]/n...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	189:13

3. Select the IDs of all movies that won an award:

XPath:

/moviesCatalog/movies/movie[awards/award]/@id

Result:

Results				
Description - 7 items	XPath location	Resource	System ID	Location
m1	/moviesCatalog[1]/movies[1]/movie[1]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	6:16
m2	/moviesCatalog[1]/movies[1]/movie[2]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	27:16
m3	/moviesCatalog[1]/movies[1]/movie[3]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	49:16
m4	/moviesCatalog[1]/movies[1]/movie[4]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	72:16
m5	/moviesCatalog[1]/movies[1]/movie[5]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	98:16
m6	/moviesCatalog[1]/movies[1]/movie[6]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	122:16
m7	/moviesCatalog[1]/movies[1]/movie[7]/@id	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	143:16

4. Select the awards received by the second movie:

XPath:

/moviesCatalog/movies/movie[2]/awards/award/text()

Result:

Results				
Description - 2 items	XPath location	Resource	System ID	Location
Filmfare Award for Best Film	/moviesCatalog[1]/movies[1]/movie[2]/aw...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	45:24
Filmfare Award for Best Director	/moviesCatalog[1]/movies[1]/movie[2]/aw...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	46:24

5. Select all the characters played by actor with id a5:

XPath:

/moviesCatalog/cast/casting[./person_id='a5']/character

Result:

Results				
Description - 1 item	XPath location	Resource	System ID	Location
Rahul Raichand	/moviesCatalog[1]/cast[1]/casting[6]/char...	moviesCatalog.xml	/Users/Hrishi/Downloads/moviesCatalog.xml	328:13

- Following are the XQueries for moviesCatalog xml file:

1. List all the movies featuring actor with ID "a1":

XQuery:

```
for $movie in //casting[person_id = 'a1']/movie_id
return $movie
```

Result:

Results	
(N) 1. movie_id	1 <?xml version="1.0" encoding="UTF-8"?>
(N) 2. movie_id	2 <movie_id>m1</movie_id>
	3 <movie_id>m4</movie_id>

2. List all the characters played by actor with ID "a2" in any movie:

XQuery:

```
for $character in //casting[person_id = 'a2']/character
return $character
```

Result:

Results	
(N) 1. character	1 <?xml version="1.0" encoding="UTF-8"?>
	2 <character>Chand Nawab</character>

3. Count number of movies:

XQuery:

```
count(//movie)
```

Result:

Results	
123 1. xs:integer	1 <?xml version="1.0" encoding="UTF-8"?>7

4. Select the titles of all movies released in the year 1995:

XQuery:

```
for $movie in //movie[year=1995]
return $movie/title
```

Result:

Results	
(N) 1. title	1 <?xml version="1.0" encoding="UTF-8"?> 2 <title>Dilwale Dulhania Le Jayenge</title>

5. Select the titles of all movies that have won both a Filmfare Award for Best Film and a National Award for Best Popular Film:

XQuery:

```
for $movie in //movie[awards/award[text()='Filmfare Best Film Award']
and awards/award[text()='National Award for Best Popular Film']]
return $movie/title
```

Result:

Results	
(N) 1. title	1 <?xml version="1.0" encoding="UTF-8"?> 2 <title>Andaz Apna Apna</title>

6. Select the count of all movies that have won a Filmfare Award for Best Film:

XQuery:

```
count(//movie/awards/award[text()='Filmfare Award for Best Film'])
```

Result:

Results	
123 1. xs:integer	1 <?xml version="1.0" encoding="UTF-8"?>2