

# CSC343 Worksheet 10 Solution

June 28, 2020

1. a) **Notes:**

- XPATH and Selecting Nodes
  - nodename
    - \* Selects all nodes with the name "nodename"
  - /
    - \* Selects from the root node
  - //
    - \* Selects node in the document from the current node that match the selection no matter where they are
  - .
    - \* Select the current node
  - ..
    - \* Selects the parent of the current node
  - @
    - \* Selects attributes

**Example:**

```
1 /StarMovieData/Star//City
2
```

- selects all City element in

```
<StarMovieData>
  <Star>
    Here :)
  </Star>
</StarMovieData>
```

- Wildcards \*
  - Is used to say 'any tag'

**Example:**

```
1 /StarMovieData/*/@*
2
```

- '@\*' means any attributes
- '\*' means any tag
- Context of Expressions
  - [...] means that exists or there exists
  - [*integer*] selects ith child of its parent
  - [*Tag*] selects elements that have one or more sublements with 'Tag'
  - [*Attribute*] selects elements that have attribute 'Attribute'

**Example:**

```
1 /StarMovieData/Star[//City = "Malibu"]/Name
2
```

\* Means select all Star Name that contains City with value 'Malibu'