

1. Write an XML program to create and display data in a hierarchical structure as given in the image below. The Root Element is survey. The sub-root element is isro. The child element names are given in Header(Bold). Apply suitable stylesheets for the same.

Region	Location	Feature type	ROV Dives	Area covered (ha)	Depth range surveyed (m)	Distance from land (km)	Shipping activity proxy	Items (ha⁻¹)
Atlantic	Carter	Seamount	5	2.78	200–2800	630	0.12	12.23
Atlantic	Knipovich	Seamount	3	2.18	600–2800	1360	0.23	2.29
Atlantic	VEMA	Fracture zone	3	1.80	600–3000	1040	0.07	5.56
Atlantic	Vayda	Seamount	3	3.10	400–2300	1170	0.01	1.94
Atlantic	Gramberg	Seamount	2	1.70	900–2200	940	0.21	0.59
Indian	Coral	Seamount	5	2.04	500–1500	1610	0.01	1.47
Indian	Melville	Bank	4	1.35	100–1300	1440	0.00	13.33
Indian	Middle of What	Seamount	3	0.41	1000–1400	1460	0.00	2.44
Indian	Sapmer	Seamount	1	0.46	300–700	1390	0.00	17.39
Indian	Atlantis	Bank	3	1.34	700–1200	1320	0.10	0.75

2. Use all XSL elements namely `xsl:value-of`, `xsl:for-each`, `xsl:sort`, `xsl:if`, `xsl:choose` and display the corresponding output
3. Write an external DTD for the above XML program