Assignment SU8 2023: Binary tree traversal

The purpose of this assignment is to:

- *traverse a binary tree using 3 different traversal methods.*

- Draw a binary tree by adding the following nodes (See in the list below which node list you should use in your tree - 1 or 2 or 3).
  1. 15; 26; 11; 30; 8; 12; 35; 20; 9; 6; 14
  2. 20; 10; 25; 5; 15; 2; 8; 12; 28; 27; 30
  3. 15; 8; 22; 4; 10; 2; 6; 9; 25; 18; 30
- Do the complete traversal of the binary tree using the following traversal methods:
  1. Pre-order
  2. In-order
  3. Post-order
- Do the assignment **by hand** on paper, scan the handwritten work and submit the scan on eFundi. Remember to **write your Name, Surname and Student number** at the top of the paper.

Student ID	Node list nr	Student ID	Node list nr	Student ID	Node list nr
35576766	1	29369436	1	44361564	1
41072782	2	40925900	2	42386802	2
31714013	3	34246606	3	41253825	3
43938442	1	42048303	1	37823949	1
25029118	2	21403325	2	28910273	2
28331869	3	35036079	3	41311019	3
35277394	1	45021104	1	34583505	1
34507965	2	38381990	2	35024968	2
38980274	3	31599419	3	34812008	3
37831909	1	32068247	1	24962724	1
30202973	2	42015278	2	24244066	2
40260224	3	37438832	3	40680665	3
23408774	1	39415880	1	25003445	1
31697224	2	36951250	2	38401185	2
20545789	3	41259750	3	44529996	3
34412328	1	33101477	1	35164050	1
30025524	2	30270979	2	30701627	2
31855016	3	42937582	3	44905165	3
30745004	1	35576839	1	35560940	1
42095794	2	29909767	2	38324504	2
42811074	3	16877462	3	38302187	3
35410108	1	35804955	1	42104912	1
41007565	2	22215182	2	35014709	2
38630796	3	38809974	3	28073592	3
26035715	1	44037449	1	43028519	1
39575446	2	35981326	2	25759086	2
37673149	3	49580612	3	29580080	3
39019012	1	39178544	1	33505136	1
28053222	2	44240295	2	34262512	2
22106723	3	40999815	3	28120183	3
37500384	1	43024653	1	40723380	1
38315068	2	39399575	2	37332287	2

23477636	3	42316448	3	37747533	3
41179196	1	40951499	1	38463385	1
43374050	2	42699894	2	33451524	2
35639407	3	43798195	3	41213505	3