CyberGIS and Big Data (GEOG6282/8282; INES 8090)

Title: Lab 1

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Contents

Question -1:

1.1 Shell script for creating 500 folders:

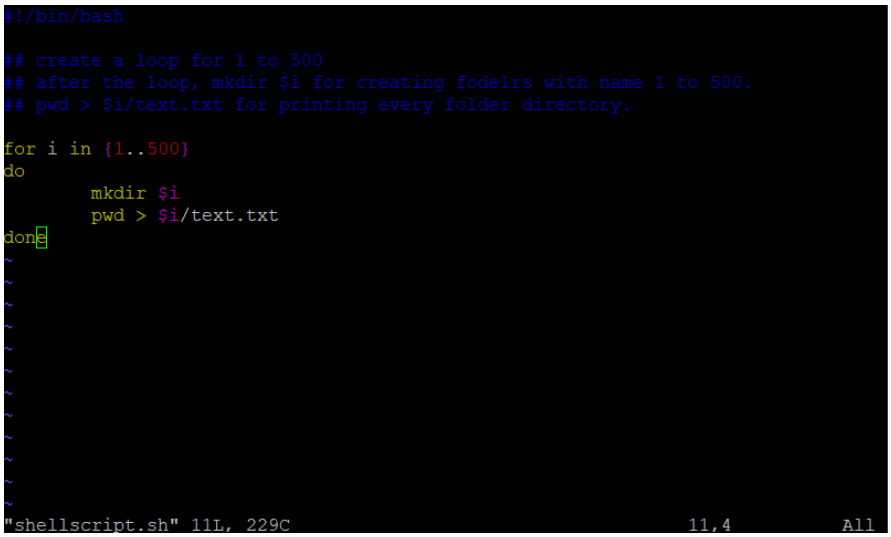

Figure 1. Shell script for creating 500 folders.

To create this script, firstly a shellscript.sh was created using vi command then it was executable using chmod +x shellscript.sh.

1.2 Output of running this shell script:

1	134	17	204	24	275	31	345	380	415	450	486	70
10	135	170	205	240	276	310	346	381	416	451	487	71
100	136	171	206	241	277	311	347	382	417	452	488	72
101	137	172	207	242	278	312	348	383	418	453	489	73
102	138	173	208	243	279	313	349	384	419	454	49	74
103	139	174	209	244	28	314	35	385	42	455	490	75
104	14	175	21	245	280	315	350	386	420	456	491	76
105	140	176	210	246	281	316	351	387	421	457	492	77
106	141	177	211	247	282	317	352	388	422	458	493	78
107	142	178	212	248	283	318	353	389	423	459	494	79
108	143	179	213	249	284	319	354	39	424	46	495	8
109	144	18	214	25	285	32	355	390	425	460	496	80
11	145	180	215	250	286	320	356	391	426	461	497	81
110	146	181	216	251	287	321	357	392	427	462	498	82
111	147	182	217	252	288	322	358	393	428	463	499	83
112	148	183	218	253	289	323	359	394	429	464	5	84
113	149	184	219	254	29	324	36	395	43	465	50	85
114	15	185	22	255	290	325	360	396	430	466	500	86
115	150	186	220	256	291	326	361	397	431	467	51	87
116	151	187	221	257	292	327	362	398	432	468	52	88
117	152	188	222	258	293	328	363	399	433	469	53	89
118	153	189	223	259	294	329	364	4	434	47	54	9
119	154	19	224	26	295	33	365	40	435	470	55	90
12	155	190	225	260	296	330	366	400	436	471	56	91
120	156	191	226	261	297	331	367	401	437	472	57	92
121	157	192	227	262	298	332	368	402	438	473	58	93

Figure 2. 500 folders by the shell script code

Figure 3. text file in each of the 500 folders having their directory.

Question 2:

2.1 **Creating a shell script to submit the job of previous shell script:**

Figure 4: shell script for submitting the file.

To create this submission script, firstly, submit.sh was created using vi command then it was executable using chmod +x submit.sh. then this slurm file was called for running the previous shell script.

2.2 **output of the submitting file:**

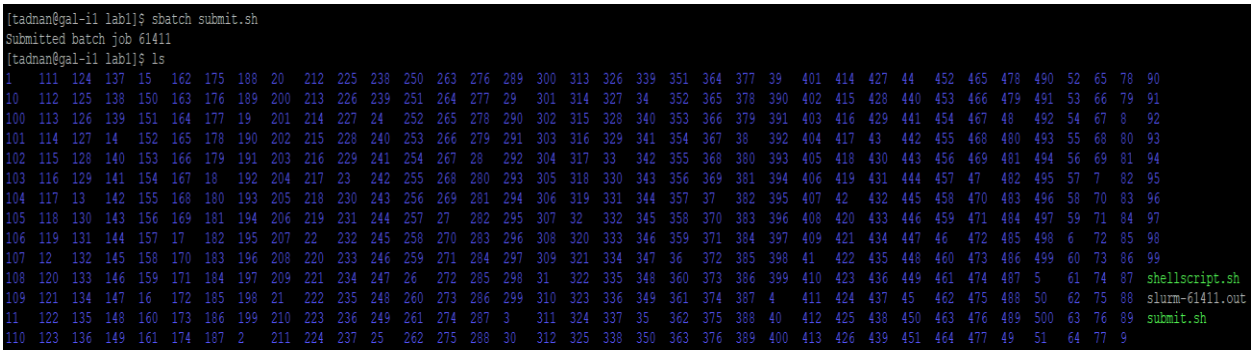

Figure 5. output of the submission file job

3. **Screenshots of working phases:**

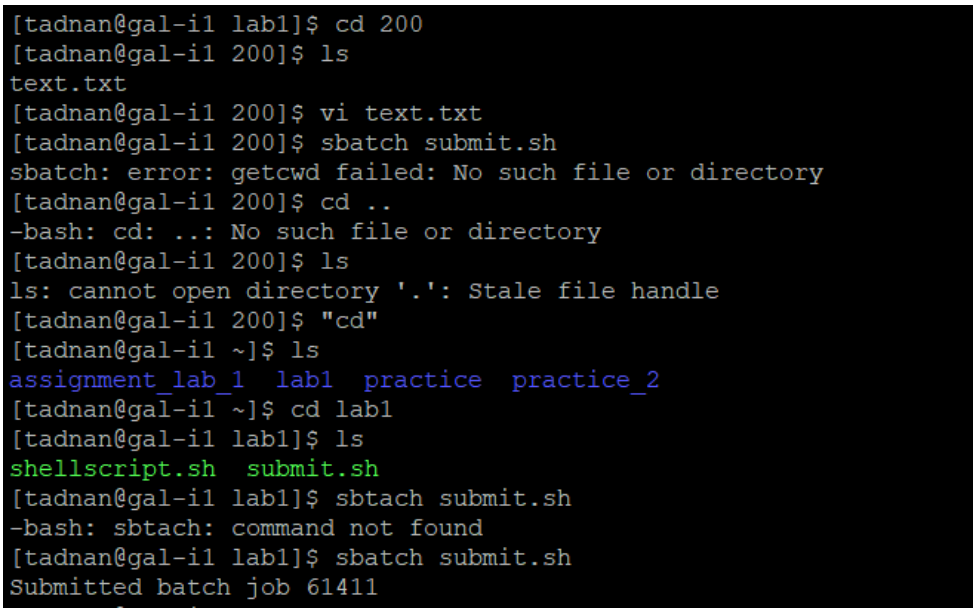

Figure 6. codes for the lab1 taken randomly.

4. Screenshots from WinSCP:

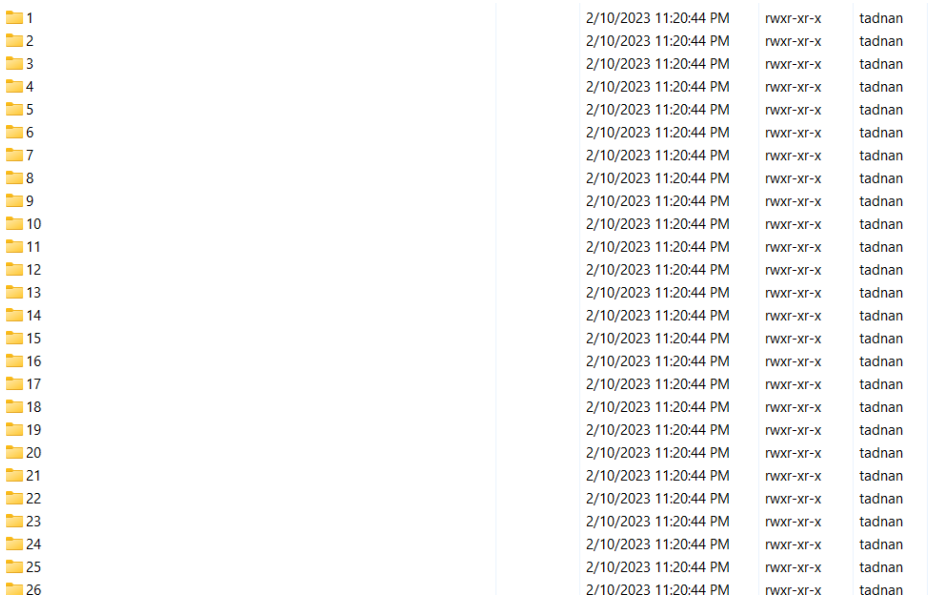

Figure 7. Screenshots from WinSCP

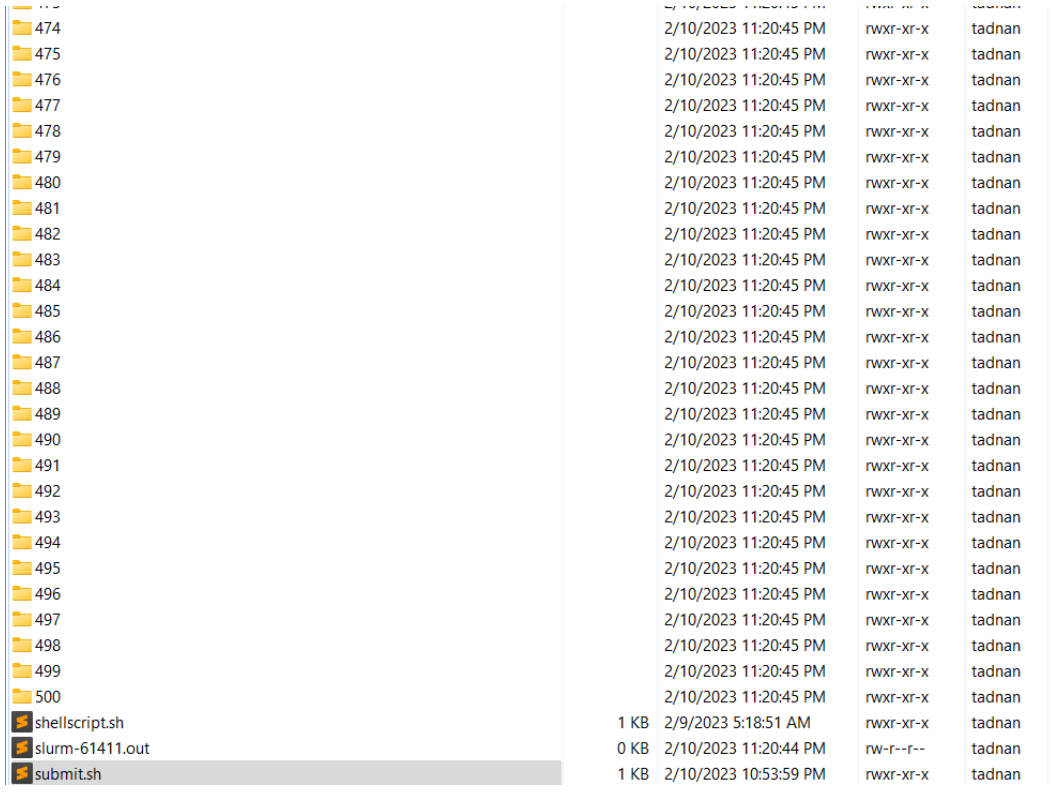

Figure 8. Screenshots from WinSCP