J 4.8.2023 15:00 CEST

Notes:

Confusions:
1. Inputs were not reflected right away after just changing the HDL.

Later mentioned they already tried the software previously - data disregarded.

Prep

From	To	Time	
0:15:10	0:15:12	0:00:02	
	Total		**2**

First Task

From	To	Time	
0:15:13	0:15:41	0:00:28	
	Total		**28**

Second Task

From	To	Time	
0:15:44	0:16:47	0:01:03	
	Total		**63**

Third Task

From	To	Time	
0:16:50	0:18:04	0:01:14	
	Total		**74**

Fourth Task

From	To	Time	
0:18:06	0:19:13	0:01:07	
	Total		**67**

M 4.8.2023 16:00 CEST

Notes:

Rushed through instructions and video.
Recorded video from the session had some encoding problems but it was still possible to capture key moments.
Started with Nand, later returned to the first example.

Confusions:
1. Problems understanding usable gate interfaces.

Praised the integration of automated tests.

Said they would be hesitant to try the Java software as it would require changes to their Ubuntu Linux setup.

Prep

From	To	Time	
0:12:53	0:13:05	0:00:12	
	Total		**12**

First Task

From	To	Time	
0:12:23	0:12:53	0:00:30	
0:13:05	0:18:13	0:05:08	
0:20:20	0:20:30	0:00:10	
	Total		**348**

Second Task

From	To	Time	
0:18:14	0:20:07	0:01:53	
	Total		**113**

Third Task

From	To	Time	
0:20:40	0:21:26	0:00:46	
	Total		**46**

Fourth Task

From	To	Time	
0:21:29	0:22:02	0:00:33	
	Total		**33**

P 4.8.2023 20:00 CEST

Notes:

Confusions:
1. Could not launch Hardware Simulator - missing javaw executable. Had to ask for help.
2. Tried to use "Run" instead of "Evaluate" for manual testing of operation.

Prep

From	To	Time	
0:06:17	0:06:47	0:00:30	
0:07:36	0:07:53	0:00:17	
0:08:21	0:11:14	0:02:53	
	Total		**220**

First Task

From	To	Time
0:06:17	0:06:47	0:00:30
0:12:52	0:14:20	0:01:28
0:14:57	0:15:08	0:00:11
0:15:12	0:15:17	0:00:05
0:15:53	0:16:03	0:00:10
0:17:44	0:17:50	0:00:06
0:18:26	0:18:34	0:00:08
0:18:49	0:18:51	0:00:02
0:19:53	0:20:16	0:00:23
0:20:27	0:20:53	0:00:26
0:21:21	0:21:49	0:00:28
0:22:03	0:22:35	0:00:32
	Total	**269**

Second Task

From	To	Time
0:24:11	0:30:17	0:06:06
	Total	**366**

Third Task

From	To	Time
0:30:19	0:32:57	0:02:38
	Total	**158**

Fourth Task

From	To	Time
0:32:59	0:36:08	0:03:09
	Total	**189**

P - 2. 4.8.2023 20:00 CEST

Prep

From	To	Time
0:38:23	0:38:35	0:00:12
	Total	**12**

First Task

From	To	Time
0:38:36	0:39:30	0:00:54
	Total	**54**

Second Task

From	To	Time
0:39:31	0:40:13	0:00:42
	Total	**42**

Third Task

From	To	Time
0:40:14	0:41:00	0:00:46
	Total	**46**

Fourth Task

From	To	Time
0:41:02	0:41:45	0:00:43
	Total	**43**

Notes:

Confusions: none

Was interested in trying both groups. Originally Group B.

Was pleasently surprised all of tests are executed instantly.

Said they would much rather use the web solution.

Y 4.8.2023 21:00 CEST

Prep

From	To	Time
0:10:36	0:10:45	0:00:09
	Total	**9**

First Task

Notes:

Highly motivated. Very attentive despite the very late hours when the session was held. Afraid of making errors.

Confusions:
1. Confusion around the syntax.

From	To	Time	
0:10:45	0:17:39	0:06:54	
	Total	**414**	

Second Task
From	To	Time	
0:17:40	0:24:00	0:06:20	
	Total	**380**	

Third Task
From	To	Time	
0:24:01	0:26:37	0:02:36	
	Total	**156**	

Fourth Task
From	To	Time	
0:26:39	0:28:46	0:02:07	
	Total	**127**	

S   5.8.2023 21:00 CEST

Prep
From	To	Time	
0:10:45	0:12:25	0:01:40	
0:13:32	0:15:06	0:01:34	
0:16:47	0:19:36	0:02:49	
	Total	**363**	

First Task
From	To	Time	
0:23:13	0:25:11	0:01:58	
0:25:35	0:25:55	0:00:20	
0:29:10	0:30:33	0:01:23	
0:31:24	0:31:50	0:00:26	
0:32:27	0:33:10	0:00:43	
0:35:13	0:36:06	0:00:53	
	Total	**343**	

Second Task
From	To	Time	
0:33:37 [1]	0:42:27	0:08:50	
	Total	**530**	

Third Task
From	To	Time	
0:42:34	0:48:04	0:05:30	
	Total	**330**	

Fourth Task
From	To	Time	
0:48:08	0:53:27	0:05:19	
	Total	**319**	

Notes:

Was a bit tired.

Confusions:
1. Did not have java installed. Was trying to find it in the downloaded bundle. I had to help. Slow download speed meant waiting a minute or two.
2. Confused around the use of Run vs Eval.
3. File naming problems.
4. Problems with .txt extension automatically added by Windows.

Spent a lot of time switching between windows - different Notepad windows and the Hardware Simulator.

S - 2.   5.8.2023 21:00 CEST

Prep
From	To	Time	
0:57:24	0:58:20	0:00:56	
	Total	**56**	

First Task
From	To	Time	
0:58:23	1:00:01	0:01:38	
	Total	**98**	

Notes:

Orginally from Group B. Wanted to try the other group as well. Was a bit tired.

Confusions:
1. Did not understand it's needed to add PARTS. At first thought the embedded HW simulator was read-only.

Said it felt much faster.
Liked how everything happened automatically.

Second Task

From	To	Time	
1:00:16	1:01:29	0:01:13	
		Total	**73**

Third Task

From	To	Time	
1:01:30	1:02:39	0:01:09	
		Total	**69**

Fourth Task

From	To	Time	
1:02:40	1:04:04	0:01:24	
		Total	**84**

MI 7.8.2023 21:00 CEST

Notes:

Visibly stressed. Practiced IT very long time ago.

Prep

From	To	Time	
0:06:20	0:06:25	0:00:05	
		Total	**5**

Confusions:
1. Did not notice compilation errors.

First Task

From	To	Time	
0:06:25	0:12:40	0:06:15	
		Total	**375**

Second Task

From	To	Time	
0:12:42	0:18:03	0:05:21	
		Total	**321**

Third Task

From	To	Time	
0:18:05	0:20:11	0:02:06	
		Total	**126**

Fourth Task

From	To	Time	
0:20:14	0:21:45	0:01:31	
		Total	**91**

MX 8.8.2023 21:00 JST

Notes:

Very efficient participant, even during scrolling/switching between examples.

Prep

From	To	Time	
0:10:14	0:10:18	0:00:04	
		Total	**4**

Confusions: none

First Task

From	To	Time	
0:10:18	0:11:20	0:01:02	
		Total	**62**

Second Task

From	To	Time	
0:11:21	0:12:15	0:00:54	
		Total	**54**

Third Task

From	To	Time	
0:12:16	0:12:46	0:00:30	
		Total	**30**

Fourth Task

From	To	Time
0:12:48	0:13:18	0:00:30
	Total	**30**

MM   8.8.2023 17:00 CEST

Prep

From	To	Time
0:15:48	0:22:38	0:06:50
	Total	**410**

First Task

From	To	Time
0:22:50	0:28:57	0:06:07
	Total	**367**

Second Task

From	To	Time
0:28:59	0:32:20	0:03:21
	Total	**201**

Third Task

From	To	Time
0:32:23	0:35:09	0:02:46
	Total	**166**

Fourth Task

From	To	Time
0:35:11	0:40:36	0:05:25
	Total	**325**

Notes:

Focused and motivated.

Confusions:
1. HW Simulator was not working with preinstalled Java on Ubuntu due to hard to understand "No X11 DISPLAY variable was set" error. I had to step in and offer help in the form of advice to install JRE package and use `update-alternatives --config java` to switch to this newly installed JRE.
2. Confusions around file naming.
3. Confusing error messages like "too many arguments" (when the file name contained a number) that slowed participant down during the last example.

MM - 2.   8.8.2023 18:00 CEST

Prep

From	To	Time
0:00:24	0:00:30	0:00:06
	Total	**6**

First Task

From	To	Time
0:00:47	0:01:23	0:00:36
	Total	**36**

Second Task

From	To	Time
0:01:23 [2]	0:02:01	0:00:38
	Total	**38**

Third Task

From	To	Time
0:02:03	0:02:20	0:00:17
	Total	**17**

Fourth Task

From	To	Time
0:02:22	0:02:46	0:00:24
	Total	**24**

Notes:

Originally Group B. Wanted to try Group A.

Confusions: none

SA   9.8.2023 16:00 CEST

Prep

From	To	Time
0:06:44	0:08:01	0:01:17
0:08:10	0:08:15	0:00:05

Notes:

Became increasingly stressed once they started facing confusions mentioned below. Had Java preinstalled compred to others.

Confusions:
1. Confusion over file extensions - Windows Explorer was hiding them. Tried to drag files over. I had

| | | Total | 82 |

First Task

From	To	Time	
0:12:07	0:21:20	0:09:13	
0:23:05	0:23:35	0:00:30	
0:23:47	0:23:50	0:00:03	
0:24:05	0:24:14	0:00:09	
0:24:28	0:24:43	0:00:15	
0:28:12	0:29:34	0:01:22	
0:29:57	0:30:26	0:00:29	
		Total	**721**

Second Task

From	To	Time	
0:10:46	0:12:05	0:01:19	
0:30:54	0:40:43	0:09:49	
		Total	**668**

Third Task

From	To	Time	
0:40:50	0:42:50	0:02:00	
		Total	**120**

Fourth Task

From	To	Time	
0:42:52	0:45:05	0:02:13	
		Total	**133**

JO   9.8.2023 17:00 CEST

Prep

From	To	Time	
0:10:01	0:12:44	0:02:43	
0:13:03	0:13:10	0:00:07	
		Total	**170**

First Task

From	To	Time	
0:13:17	0:14:53	0:01:36	
0:15:17	0:16:44	0:01:27	
0:16:54	0:17:01	0:00:07	
0:17:09	0:17:16	0:00:07	
0:17:49	0:17:52	0:00:03	
0:18:14	0:19:11	0:00:57	
0:19:20	0:19:41	0:00:21	
0:21:06	0:22:38	0:01:32	
0:22:48	0:23:34	0:00:46	
0:23:51	0:24:16	0:00:25	
0:24:31	0:24:51	0:00:20	
0:25:08	0:25:54	0:00:46	
0:26:00	0:26:59	0:00:59	
0:26:59	0:26:59	0:00:00	
0:27:18	0:28:01	0:00:43	
0:28:11	0:28:36	0:00:25	
		Total	**634**

Second Task

From	To	Time	
0:29:11	0:42:38	0:13:27	
		Total	**807**

to step in and help. I recommended using a different text editor where it's possible to manage files with control over extensions. Participant then used VSCode.
2. Din't understand how to use the provided CLI Text Comparator tool.
3. UI required restarting the script for the comparisons to succeed.
4. Confusions around the syntax.
5. Did not understand meaning of .cmp in relation to .out.

Notes:

Participant that is just about to start Computer Science education. Has only minor experience with programming.

Confusions:
1. Did not have Java installed and received an error. Had to get back to the video.
2. Did not understand the difference between Load Chip and Load Script. Had to get back to the video.
3. Had a typo in the file that sent him down a wrong path during debugging. I had to step in and help.
4. Did not know how to manually evaluate chip. I had to step in and help.

Did not know which line is 12th in Notepad - missing line numbers.

Third Task

From	To	Time	
0:42:53	0:48:38	0:05:45	
		Total	**345**

Fourth Task

From	To	Time	
0:48:40	0:56:03	0:07:23	
		Total	**443**

PE 9.8.2023 18:00 CEST

Prep

From	To	Time	
0:08:11	0:10:20	0:02:09	
0:11:25 [3]	0:11:41	0:00:16	
0:11:56	0:13:22	0:01:26	
0:14:47	0:15:12	0:00:25	
		Total	**256**

Notes:

Took longer than anticipated studying the learning material.

Confusions:
1. Confusion around file extension - automatically added .txt on Windows. I had to step in and help.
2. Did not name files exactly and had problems with the script. I had to step in and help.

Spent a lot of time switching between windows.

First Task

From	To	Time	
0:17:53	0:21:00	0:03:07	
0:22:00	0:25:26	0:03:26	
0:26:00	0:26:15	0:00:15	
0:27:53	0:28:04	0:00:11	
0:28:06	0:28:21	0:00:15	
0:28:21	0:28:21	0:00:00	
0:29:06	0:32:20	0:03:14	
0:33:37	0:33:46	0:00:09	
0:33:56	0:34:06	0:00:10	
0:36:00 [4]	0:36:21	0:00:21	
0:36:28	0:36:31	0:00:03	
		Total	**671**

Second Task

From	To	Time	
0:38:53	0:50:30	0:11:37	
		Total	**697**

Third Task

From	To	Time	
0:50:34	0:56:01	0:05:27	
		Total	**327**

Fourth Task

From	To	Time	
0:56:01	1:00:20	0:04:19	
		Total	**259**

MS 9.8.2023 19:00 CEST

Prep

From	To	Time	
0:59:10 [5]	0:59:25	0:00:15	
1:00:32	1:00:36	0:00:04	
1:00:44	1:00:50	0:00:06	
1:00:59	1:01:36	0:00:37	
1:01:43	1:01:52	0:00:09	
		Total	**71**

Notes:

Had Java preinstalled. Used VSCode but still had some problems with file management.

Confusions:
1. Did not understand how to use TextComparer.
2. Confused around Not interface.

First Task

From	To	Time
1:04:07	1:04:32	0:00:25
1:04:51	1:06:39	0:01:48

1:06:53	1:07:05	0:00:12
1:07:07	1:07:07	0:00:00
1:08:02	1:08:47	0:00:45
1:09:28	1:09:44	0:00:16
1:09:59	1:10:05	0:00:06
1:10:05	1:10:44	0:00:39
1:11:29	1:11:34	0:00:05
1:16:14	1:16:31	0:00:17
1:16:52	1:16:56	0:00:04
1:16:57	1:17:15	0:00:18
1:17:32	1:17:39	0:00:07
1:17:43	1:17:46	0:00:03
1:17:53	1:18:23	0:00:30
1:18:38	1:18:42	0:00:04
	Total	**339**

Second Task

From	To	Time
1:20:10	1:26:58	0:06:48
	Total	**408**

Third Task

From	To	Time
1:27:05	1:28:42	0:01:37
	Total	**97**

Fourth Task

From	To	Time
1:28:43	1:30:10	0:01:27
	Total	**87**

MS - 2. 9.8.2023 20:00 CEST

Prep

From	To	Time
0:00:14	0:00:30	0:00:16
	Total	**16**

First Task

From	To	Time
0:00:30	0:01:16	0:00:46
	Total	**46**

Second Task

From	To	Time
0:01:18	0:01:52	0:00:34
	Total	**34**

Third Task

From	To	Time
0:01:54	0:02:23	0:00:29
	Total	**29**

Fourth Task

From	To	Time
0:02:25	0:02:41	0:00:16
	Total	**16**

Notes:
Originally Group B. Was done 20 minuets early and wanted to try Group A.

Confusions: none

B 10.8.2023 15:00 CEST

Prep

From	To	Time
0:05:59	0:06:21	0:00:22
0:06:53 [6]	0:06:58	0:00:05
0:07:13	0:07:30	0:00:17

Notes:
Had Java preinstalled.

Confusions:
1. Choosing the script file from a directory was confusing - there was only "Load script" and it wouldn't open the directory most of the time.
2. They got confused on Load chip vs Load script and spent quite some time playing around with that.
I had to step in and help.

| | 0:07:37 | 0:08:50 | 0:01:13 |
| | | **Total** | **117** |

First Task

From	To	Time	
0:11:45	0:12:04	0:00:19	
0:12:39	0:14:56	0:02:17	
0:15:32	0:15:59	0:00:27	
0:16:15	0:16:21	0:00:06	
0:19:26	0:20:03	0:00:37	
0:20:24	0:20:43	0:00:19	
0:21:27	0:22:59	0:01:32	
0:23:41	0:24:36	0:00:55	
		Total	**392**

Second Task

From	To	Time	
0:26:30	0:32:45	0:06:15	
		Total	**375**

Third Task

From	To	Time	
0:32:57	0:42:50	0:09:53	
		Total	**593**

Fourth Task

From	To	Time	
0:42:53	0:46:49	0:03:56	
		Total	**236**

Notes:

3. Got confused because the Harware Simulator shows the old HDL even if the new script was already loaded. I had to step in and help.

Spent some time managing windows, but was otherwise precise and efficient when managing files. Spent more time solving software problems vs solving the actual assignment - they got all solutions right including syntax on the first try.

B - 2.   10.8.2023 15:00 CEST

Prep

From	To	Time	
0:00:51	0:01:09	0:00:18	
		Total	**18**

First Task

From	To	Time	
0:01:16	0:03:12	0:01:56	
		Total	**116**

Second Task

From	To	Time	
0:03:13	0:04:01	0:00:48	
		Total	**48**

Third Task

From	To	Time	
0:04:12	0:04:47	0:00:35	
		Total	**35**

Fourth Task

From	To	Time	
0:04:48	0:05:37	0:00:49	
		Total	**49**

Notes:

Originall Group B. Wanted to try Group A.

Confusions: none

Mentioned it was much easier to verify the HDL worked.

R   10.8.2023 18:00 CEST

Prep

From	To	Time	
0:07:54	0:08:08	0:00:14	
		Total	**14**

First Task

Notes:

Brushed quickly through the learning content and the video.

Confusions:
1. Was unsure about the implementation of Not. Asked for help. I had to explain.
2. Was expecting autocomplete in HDL code editor.

From	To	Time
0:08:15	0:08:41	0:00:26
0:10:08	0:10:20	0:00:12
0:11:08	0:11:20	0:00:12
0:11:51	0:12:27	0:00:36
0:13:06	0:13:20	0:00:14
	Total	**100**

Second Task

From	To	Time
0:14:44	0:18:19	0:03:35
	Total	**215**

Third Task

From	To	Time
0:18:23	0:19:29	0:01:06
	Total	**66**

Fourth Task

From	To	Time
0:19:32	0:20:32	0:01:00
	Total	**60**

R - 2. 10.8.2023 18:00 CEST

Prep

From	To	Time
0:24:13	0:24:27	0:00:14
0:24:50	0:29:03	0:04:13
	Total	**267**

First Task

From	To	Time
0:31:06	0:43:45	0:12:39
0:43:55	0:43:55	0:00:00
	Total	**759**

Second Task

From	To	Time
0:44:16	0:46:27	0:02:11
	Total	**131**

Third Task

From	To	Time
0:46:29	0:48:52	0:02:23
	Total	**143**

Fourth Task

From	To	Time
0:48:53	0:51:24	0:02:31
	Total	**151**

Notes:

Originally Group A. Wanted to try the other group. Did not have Java preinstalled.

Confusions:
1. Did not understand why the error with java popped up. Asked for help and I told them to watch the video carefully.
2. Confused around the use of Load Script and when it should load the chip. I had to step in and help.
3. Did not understand the error - could not see it whole - and there was only mention of "keyword" - nothing specific.

Repeated the same error that lead to 3.

Was reluctant to install Java on their system. Was told they can uninstall it at the end.

When filling the questionnaire, they mentioned the web version was nicer.

L 11.8.2023 20:30 CEST

Prep

From	To	Time
0:19:37	0:19:42	0:00:05
	Total	**5**

First Task

From	To	Time
0:19:44	0:22:05	0:02:21
	Total	**141**

Second Task

Notes:

Slightly tired.

Confusions: none

From	To	Time
0:22:12	0:24:46	0:02:34
	Total	**154**

Third Task

From	To	Time
0:24:49	0:26:47	0:01:58
	Total	**118**

Fourth Task

From	To	Time
0:26:50	0:28:21	0:01:31
	Total	**91**

L - 2. 11.8.2023 20:30 CEST

Prep

From	To	Time
0:03:35	0:04:30	0:00:55
0:04:47	0:05:16	0:00:29
0:05:16	0:05:16	0:00:00
0:05:20	0:09:43	0:04:23
	Total	**347**

First Task

From	To	Time
0:10:03	0:17:25	0:07:22
	Total	**442**

Second Task

From	To	Time
0:17:29	0:20:06	0:02:37
	Total	**157**

Third Task

From	To	Time
0:20:08	0:22:20	0:02:12
	Total	**132**

Fourth Task

From	To	Time
0:22:25	0:25:02	0:02:37
	Total	**157**

Notes:

Slightly tired.

Confusions:
1. Did not have right Java installed. I had to step in and help because they did not make progress in installing Java.
2. File extensions were incorrect. I had to step in and help.

MA 13.8.2023 18:45 CEST

Prep

From	To	Time
0:01:35	0:01:50	0:00:15
0:12:51	0:12:58	0:00:07
	Total	**22**

First Task

From	To	Time
0:13:01	0:15:00	0:01:59
	Total	**119**

Second Task

From	To	Time
0:15:02	0:20:51	0:05:49
	Total	**349**

Third Task

From	To	Time
0:20:54	0:21:59	0:01:05

Notes:

Was sometimes distracted by their environment.

Comes from a completely different background - physics with a part time job in finance.

Confusions:
1. Was not sure what gates to choose - I had to step in and help. Not strictly a problem of the software, but it could have suggested available gates.

	Total	**65**	

Fourth Task

From	To	Time	
0:22:01	0:23:15	0:01:14	
	Total	**74**	

Prep

From	To	Time	
0:05:39	0:05:51	0:00:12	
0:05:54	0:06:01	0:00:07	
0:06:15	0:06:25	0:00:10	
0:06:25	0:06:38	0:00:13	
0:07:26 [7]	0:07:31	0:00:05	
0:09:44	0:10:06	0:00:22	
0:10:54	0:10:57	0:00:03	
0:11:17	0:11:20	0:00:03	
0:12:01	0:12:23	0:00:22	
	Total	**97**	

Notes:

Had Java preinstalled.

Confusions:
1. Was confused whether she should run the .sh or .bat file. I had to step in and help.
2. Did not know how to confirm manual input pin value. Ran the whole instead of using Eval.
3. Did not understand error message when they had a syntax error. I had to step in and help.

No problems with the file management - very precise and fast.

First Task

From	To	Time	
0:13:44	0:13:53	0:00:09	
0:15:05	0:17:39	0:02:34	
0:18:02	0:18:17	0:00:15	
0:18:36	0:18:58	0:00:22	
0:21:25	0:21:50	0:00:25	
0:21:58	0:22:37	0:00:39	
0:22:57	0:23:01	0:00:04	
0:23:34	0:23:40	0:00:06	
0:24:42	0:24:57	0:00:15	
0:25:03	0:26:06	0:01:03	
0:26:11	0:27:15	0:01:04	
0:27:52	0:28:07	0:00:15	
	Total	**431**	

Second Task

From	To	Time	
0:29:33	0:34:40	0:05:07	
0:35:32	0:36:57	0:01:25	
	Total	**307**	

Third Task

From	To	Time	
0:37:00	0:39:08	0:02:08	
	Total	**128**	

Fourth Task

From	To	Time	
0:39:11	0:40:49	0:01:38	
	Total	**98**	

Prep

From	To	Time	
0:46:49	0:46:53	0:00:04	
0:47:02	0:47:06	0:00:04	
	Total	**8**	

Notes:

Originally Group B. Was willing to try Group A.

Confusions: none

Mentioned it felt easier - did not have to do anything - everything was automated.

First Task

From	To	Time	
0:48:35	0:49:33	0:00:58	

		Total		**58**

Second Task

From	To		Time	
0:49:34	0:49:59		0:00:25	
		Total		**25**

Third Task

From	To		Time	
0:50:00	0:50:36		0:00:36	
		Total		**36**

Fourth Task

From	To		Time	
0:50:39	0:50:51		0:00:12	
		Total		**12**

K   15.8.2023 18:00 CEST

Prep

From	To		Time	
0:09:48	0:09:49		0:00:01	
		Total		**1**

First Task

From	To		Time	
0:09:49	0:11:10		0:01:21	
		Total		**81**

Second Task

From	To		Time	
0:11:12	0:13:12		0:02:00	
		Total		**120**

Third Task

From	To		Time	
0:13:15	0:14:32		0:01:17	
		Total		**77**

Fourth Task

From	To		Time	
0:14:34	0:15:50		0:01:16	
		Total		**76**

Notes:

Works in IT, but as a part-time data analyst.

Rushed through learning material, skipped parts of the video - they did not have sound of the video available but they did not want it either.

Confusions: none

Said they found it very easy.

K - 2.   15.8.2023 18:00 CEST

Prep

From	To		Time	
0:06:47 [8]	0:07:41		0:00:54	
0:08:07	0:09:08		0:01:01	
0:09:45	0:09:54		0:00:09	
		Total		**124**

First Task

From	To		Time	
0:10:02	0:10:45		0:00:43	
0:12:54	0:20:03		0:07:09	
		Total		**43**

Second Task

From	To		Time	
0:20:07	0:22:48		0:02:41	
		Total		**161**

Third Task

Notes:

Originally Group A, willing to try Group B.

Confusions:
1. Did not know how to solve the problem with default .txt file extension. I had to step in and help.
2. Confusion Load Chip vs Load Script. Used both.
3. Result was hidden - they did not see whether all comparisons passed. This was maybe due to higher pixel density.

Noticed the problem with extensions right away. But spent quite some time fighting with Windows to get it right.

They modified the test script to use different file names.

Said they would leave the course it they would need Java.
Code preview was unusable in Hardware Simulator - only extremely simple chips would be usable. Complained about using text files separately.

Praised with Group A they did not have to return to the video.
Praised Tests with Group A.

COULD NOT COMPLETE - THEY COULD NOT SEE THE ERROR MESSAGE - HIGH DPI SCREEN. Group B application is not scaled to the window size.

From	To	Time
0:22:51	0:25:18	0:02:27
	Total	**147**

Fourth Task

From	To	Time
0:25:22	0:27:17	0:01:55
	Total	**115**

MH 15.8.2023 19:00 CEST

Notes:

Had Java preinstalled. Relaxed, slightly in hurry.

Confusions:
1. Did not understand syntax error. I had to step in and help.
2. Did not understand another syntax error. I had to step in and help again.

Prep

From	To	Time
0:00:02	0:00:18	0:00:16
0:02:02	0:02:34	0:00:32
0:03:09	0:04:33	0:01:24
	Total	**132**

First Task

From	To	Time
0:08:04	0:08:09	0:00:05
0:08:26	0:09:14	0:00:48
0:09:48	0:09:56	0:00:08
0:10:16	0:10:24	0:00:08
0:10:32	0:10:41	0:00:09
0:10:54	0:11:00	0:00:06
0:12:38	0:13:52	0:01:14
0:14:30	0:15:40	0:01:10
0:16:24	0:16:40	0:00:16
0:16:45	0:17:07	0:00:22
	Total	**266**

Second Task

From	To	Time
0:17:55	0:22:42	0:04:47
	Total	**287**

Third Task

From	To	Time
0:22:48	0:24:56	0:02:08
	Total	**128**

Fourth Task

From	To	Time
0:24:59	0:26:54	0:01:55
	Total	**115**

LU 16.8.2023 17:00 CEST

Notes:

Does not work in IT, but tried something in JavaScript in the past. Never heard about gates or how computers work - studied grammar school.

Confusions: none.

Had no comments.

Prep

From	To	Time
0:15:36	0:15:39	0:00:03
	Total	**3**

First Task

From	To	Time
0:15:40	0:16:23	0:00:43
	Total	**43**

Second Task

From	To	Time
0:16:25	0:18:59	0:02:34
	Total	**154**

Third Task

From	To	Time
0:19:02	0:20:59	0:01:57
	Total	**117**

Fourth Task

From	To	Time
0:21:01	0:22:39	0:01:38
	Total	**98**

LU - 2.   16.8.2023 17:00 CEST

Prep

From	To	Time
0:26:55	0:27:05	0:00:10
0:27:19	0:27:39 [9]	0:00:20
0:27:47	0:28:09	0:00:22
0:28:41	0:29:00	0:00:19
0:29:23	0:30:53	0:01:30
	Total	**161**

First Task

From	To	Time
0:32:40	0:33:12	0:00:32
0:33:24	0:33:31	0:00:07
0:33:43	0:34:08	0:00:25
0:34:43	0:35:26	0:00:43
0:35:32	0:35:56	0:00:24
0:36:20	0:36:52	0:00:32
0:37:21	0:37:33	0:00:12
0:37:42	0:37:56	0:00:14
0:38:09	0:38:29	0:00:20
0:41:18	0:41:43	0:00:25
0:42:28	0:42:55	0:00:27
0:43:02	0:43:12	0:00:10
0:43:33	0:44:12	0:00:39
0:44:28	0:45:03	0:00:35
0:45:06	0:45:15	0:00:09
	Total	**354**

Second Task

From	To	Time
0:46:28	0:51:13	0:04:45
	Total	**285**

Third Task

From	To	Time
0:51:15	0:54:40	0:03:25
	Total	**205**

Fourth Task

From	To	Time
0:54:42	0:56:59	0:02:17
	Total	**137**

MK   16.8.2023 18:00 CEST

Prep

From	To	Time
1:03:09 [10]	1:03:25	0:00:16
	Total	**16**

First Task

From	To	Time

Notes:

Originally Group A. Willing to try Group B.

Confusions:
1. Was not sure how to lunch the software - .sh/.bat. I had to step in and help.
2. Confusion around the extension - .hdt not .hdl. Ignored error message - did not understand it. I had to step in and help.
3. Confusion around the use of Run - they skipped Reset and so the script was stuck.

Notes:

RPA programmer. Very curious.

Confusions: none.

1:03:26	1:04:57	0:01:31
	Total	**91**

Second Task

From	To	Time
1:05:01	1:06:09	0:01:08
	Total	**68**

Third Task

From	To	Time
1:06:13	1:07:04	0:00:51
	Total	**51**

Fourth Task

From	To	Time
1:07:09	1:08:21	0:01:12
	Total	**72**

MK - 2.   16.8.2023 18:00 CEST

Prep

From	To	Time
1:12:43	1:14:28	0:01:45
1:15:38	1:17:25	0:01:47
	Total	**105**

First Task

From	To	Time
		0:00:00
	Total	**0**

Second Task

From	To	Time
		0:00:00
	Total	**0**

Third Task

From	To	Time
		0:00:00
	Total	**0**

Fourth Task

From	To	Time
		0:00:00
	Total	**0**

Notes:

Originally Group A. Wanted to try Group B.

Confusions: none

Did not have Java installed. COULD NOT CONTINUE AS THEY DID NOT HAVE ADMINISTRATOR PRIVILEGES TO INSTALL JAVA.

KA   17.8.2023 11:00 CEST

Prep

From	To	Time
0:13:55	0:14:00	0:00:05
0:14:12	0:14:14	0:00:02
	Total	**7**

First Task

From	To	Time
0:14:15	0:18:40	0:04:25
	Total	**265**

Second Task

From	To	Time
0:19:52	0:24:59	0:05:07
	Total	**307**

Third Task

Notes:

Visibly stressed.

Confusions:
1. Wasn't sure about the name of the input pin on Not.

Spent some time returning to the video. Python experience.

From	To	Time
0:25:01	0:26:39	0:01:38
	Total	**98**

Fourth Task

From	To	Time
0:26:42	0:28:16	0:01:34
	Total	**94**

LB 17.8.2023 18:00 CEST

Prep

From	To	Time
0:06:57	0:07:46	0:00:49
0:08:06	0:08:22	0:00:16
	Total	**65**

First Task

From	To	Time
0:10:47	0:12:14	0:01:27
0:12:40	0:13:45	0:01:05
0:14:12	0:14:25	0:00:13
0:14:47	0:14:53	0:00:06
0:17:47	0:18:55	0:01:08
0:19:27	0:19:50	0:00:23
0:20:43	0:21:20	0:00:37
0:21:55	0:22:16	0:00:21
0:22:27	0:22:53	0:00:26
0:24:01	0:27:50	0:03:49
0:28:10	0:28:35	0:00:25
0:29:17	0:29:38	0:00:21
	Total	**621**

Second Task

From	To	Time
0:30:31	0:36:28	0:05:57
0:37:04	0:39:20	0:02:16
	Total	**493**

Third Task

From	To	Time
0:39:31	0:42:34	0:03:03
	Total	**183**

Fourth Task

From	To	Time
0:42:40	0:45:59	0:03:19
	Total	**199**

Notes:

Had Java installed.

Confusions:
1. Could not see the error - their windows was too small. I had to step in and help.
2. Did not understand a confusing syntax error. They started modifying built-in gates. I had to step in and help.
3. Confused Load Script vs Load Chip.
4. Syntax error - did not inderstand it for a while and started going down the wrong path. I had to step in and help.

LB - 2. [11] 17.8.2023 18:00 CEST

Prep

From	To	Time
0:49:09	0:49:27	0:00:18
	Total	**18**

First Task

From	To	Time
0:49:28	0:51:03	0:01:35
	Total	**95**

Second Task

From	To	Time
0:51:06	0:52:35	0:01:29
	Total	**89**

Notes:

Originally Group B. Willing to try Group A.

Confusions: none.

Manually tested inputs & outputs - they did not do this with Group B software. Mentioned it was much easier than in Java software.

Praised automated running of tests.

Third Task

From	To	Time	
0:52:37	0:54:05	0:01:28	
	Total		**88**

Fourth Task

From	To	Time	
0:54:08	0:55:29	0:01:21	
	Total		**81**

MT 20.8.2023 21:00 CEST

Prep

From	To	Time	
0:03:37	0:03:43	0:00:06	
0:03:58	0:04:13	0:00:15	
0:04:20	0:04:31	0:00:11	
0:04:47	0:05:04	0:00:17	
	Total		**49**

First Task

From	To	Time	
0:06:53	0:08:20	0:01:27	
0:09:08	0:09:21	0:00:13	
0:09:32	0:09:49	0:00:17	
0:10:16	0:10:19	0:00:03	
0:10:27	0:10:35	0:00:08	
0:11:00	0:11:35	0:00:35	
0:11:49	0:11:52	0:00:03	
0:12:04	0:12:14	0:00:10	
0:12:32	0:13:02	0:00:30	
0:13:07	0:13:24	0:00:17	
0:13:52	0:14:08	0:00:16	
	Total		**239**

Second Task

From	To	Time	
0:15:24	0:19:03	0:03:39	
	Total		**219**

Third Task

From	To	Time	
0:19:07	0:21:27	0:02:20	
	Total		**140**

Fourth Task

From	To	Time	
0:21:33	0:24:12	0:02:39	
	Total		**159**

Notes:

Had Java preinstalled.

Confusions: none

Very efficient and attentive. Made basically zero mistakes.

MT - 2. 20.8.2023 21:00 CEST

Prep

From	To	Time	
0:26:30	0:26:34	0:00:04	
0:26:52	0:27:08	0:00:16	
	Total		**20**

First Task

From	To	Time	
0:27:14	0:28:04	0:00:50	
	Total		**50**

Second Task

Notes:

Had Java preinstalled.

Confusions: none

From	To	Time	
0:28:07	0:28:49	0:00:42	
	Total		**42**

Third Task

From	To	Time	
0:28:52	0:29:29	0:00:37	
	Total		**37**

Fourth Task

From	To	Time	
0:29:31	0:30:00	0:00:29	
	Total		**29**

E   20.8.2023 22:00 CEST

Notes:

Native English speaker.

Confusions: none

Prep

From	To	Time	
0:05:10	0:05:14	0:00:04	
	Total		**4**

First Task

From	To	Time	
0:05:14	0:06:15	0:01:01	
	Total		**61**

Second Task

From	To	Time	
0:06:16	0:07:19	0:01:03	
	Total		**63**

Third Task

From	To	Time	
0:07:20	0:07:53	0:00:33	
	Total		**33**

Fourth Task

From	To	Time	
0:07:55	0:08:31	0:00:36	
	Total		**36**

E - 2.   20.8.2023 22:00 CEST

Notes:

Originally Group A. Willing to try Group B.

Was not comfortable continuing once they found out it's neccessary to download software on the computer they were using at the time.

[1] Timestamp from the video. All timestamps before were from the call, hence the shift.

[2] Started by copying code from the previous one - that is why the timestamp is the same.

[3] I could not see the screen for about 20 seconds. It is possible it was spent with setup.

[4] The video was briefly interrupted here. It could be earlier.

[5] The time to download the bundle is approximate as I could not see the initial timestamp - I had the previous participant still on a call in parallel.

That is also why these timestamps start at one hour - they were in the same recording.

[6] The participant was unpacking on another screen, so I may have missed something.

[7] Unzipped away from the shared portion of the screen.

[8] I have recorded a separate video.

[9] I could not see the other screen - I warned the participant. This timestamp is likely not precise.

[10] I did not turn off the recording from the previous session, as they were back-to-back. I just replaced the meeting windows.

[11] Extra data I forgot I do not have to collect - I already had enough participants for this group.