blem Name (link to files) [1]	0 ,	Point Value Flag	Description	Hint	Completed?	Tested?	Reviewed	
The Slack Point	General Skills	1 pekoe{english_breakfast_d0dfb0}	Join the Slack linked here.	Slack > Discord. The flag is a pinned message in #announcements.	✓	✓	✓	Stephen
Super Basic	General Skills	50 pekoe{earl_grey_43d510}	Convert the base 64 in this file to text: [basic.txt]	You might find the tools at browserling.com/tools helpful. Cryptii is a good resource as well.	✓	~	~	Stephen
All That Glitters is Grep		50 pekoe{oolong c4c13a}	I found a flag in this very long file, but it took hours. Is there a faster way? [music.txt]	Have you heard of grep?	✓	~	~	Stephen
		5_ ,	Apparently someone named a cipher after a salad? I don't understand it, but it seems that	Many ciphers need a key to decode, including this one. But if the key is	~	<u> </u>		
Et Tu, Brute?	Cryptography	50 pekoe{chai_a18a56}	this flag was encoded using it: tiosi{glem_e18e56}	simple enough, maybe we can find it ourselves?				Stephen
Don't Ctrl+F	General Skills	50 pekoe{berry_young_c7c8cf}	I seem to have lost my flag while practicing my ASCII art and don't know how to find it [don'tCtrl+f]	I believe in you!	V	~	✓	Sarah
Sketchy Website (1)	Web Exploitation	50 pekoe{peppermint_c828d9}	Look I made this sketchy website, and hid the flag somewhere in it [SketchyWebsite(1). html]	Try inspecting this website carefully.	~	✓	~	John
Not the Droid	Forensics	50 pekoe.rooibos.afcb	Someone hid the flag in this package (Please note that the flag is not in the usual format) [flag_1.0.apk]	Flag is in format pekoe.teaname.randomletters	✓	~	~	Toby
Speed of Sound	General Skills	50 pekoe{tilleul d6b2aa}	Our high-speed cameras seem to have caught the elusive flag in its natural habitat [footage.gif]	There are many ways to do this besides just looking at the GIF: try slowing it down or opening it in a software that will allow you to inspect each of its frames.	~	~	~	Stephen
Too Blind To Tea		50 pekoe{tisane 845a89}	I'm sorry [ImportantFile.m4a]	The flag's in there somewhere \(\(\begin{align*} \(\end{align*} \) \\ \end{align*} \end{align*} \end{align*}	~	~	~	Sarah
The Muffin's Message (1)		100 pekoe{silver_needle_159a40}	What secrets does the muffin hold? [muffin.png]	Opening the image in a standard image editor won't get you very far.	<u> </u>	<u> </u>	<u></u>	Stephen (muffin by Sar
Back and Forth	Reverse Engineering	100 pekoe{matcha_539f5b}	Mwahahala! My minions have created a program to make any flag impossible to find! You'll never get your hands on my points! Just try to figure out what p}ebk5ofe9{3m5a_tach could have originally been! [TopSecretFlagEncoder.java]	Try to visualize what's happening to the flag when it goes through the encoder. What does modulo 2 mean?	~	~	~	Stephen
Eating Gerber Peas (1)	General Skills	100 pekoe{fruits d'alsace 734bdc}	Someone sent me this top secret circuit. I think they hid the flag somewhere but I can't seem to find it [gerber1flag.zip]	All you need to do is open the file.	~	~	~	Toby
g			Oh my! This Java code checks a password to see if it's the flag by converting it to a number of different data types. Can you find the input that will grant you access?		✓	~	✓	,
Strings and Chars and Ints		100 pekoe{puer_9c779a}	[PasswordChecker.java]	What happens to a char when you convert it to an int?				Stephen
Sketchy Website (2)	Web Exploitation	100 pekoe{moroccan_mint_dc75ec}	That was easy, but can you find the new flag [SketchyWebsite(2).html]	Inspect element is the <i>source</i> of all answers	✓	~	~	John
Grepped Hams	General Skills	100 pekoe{butterfly_pea_flower_5cc8e9}	Searching this manually would take way too long. Is there a faster way? [GreppedHams. zip]	How can grep search through all the files in a folder? Remember, you'll need to search through all of the subfolders.	✓	~	~	Stephen
Very Zipped	General Skills	100 pekoe{cranberry autumn c343ab}	Yes, this is a zipped file with 500 other zipped files in it, all of which contain a text file. Most just contain garbage, but one has the flag looks like you have a lot of files to open. [Very_Zipped.zip]	You might want to try to automate the searching.	~	~	~	Toby
Incomplete Website		100 pekoe{mango_fruit_74a9b2}	This is my new website. I haven't completed it yet, but I think it has the flag hidden somewhere in there [incompleteWebsite.zip]	Look at the title on the tab of each page	~	~	~	John
ascended	General Skills	150 pekoealisanoolongbygpmq	expand your cranium and your spacing[bigbraintime.txt]	the flag is not in the normal format; submit the flag with no spaces.	~	~		Stephen
Super Secure Login		150 pekoe{citrus blend fb6f28}	Login to this super secure page and find the flag [SecureLogin.zip]	Some people have special access	✓	~	✓	John
Fair is Foul, Foul is Fair		150 pekoe{scottish morn f80a06}	This binary should contain the flag, but something seems off about it. Maybe you can decode it? [fairisfoul.txt]	Try flipping your perspective.	<u>~</u>	<u> </u>	~	Stephen
	Cryptography	150 pekoe{darjeeling_fc3f9d}	Alack, this flag has been affected with a most inscrutable cipher, and I cannot seem to find the key to its decryption! qmbrf{lrukmvojvx id3n9u}	Could a part of the ciphertext itself give away the key?	~	~	~	Stephen
More Complete Website		150 pekoe{orange passion fruit 2abdd4}	I've worked on my website a little more. The flags are still somewhere in there, but it should be harder to find now [moreCompleteWebsite.zip]	You can't just GET the flag	~	~		John
DDRINK TEA	· · · · · · · · · · · · · · · · · · ·		I found this weird file but I can't seem to open it can you help me? [Flag.dd]	You might want to Google how to deal with a file with this extension.				
		150 pekoe{ginger_89afb5}	This isn't any Caesar cipher I've seen before maybe something's different? I heard the		✓ ✓	✓ ✓		Toby
Et 2, Brute?	Cryptography	150 pekoe{indigo_punch_30c1a9}	key is 26, but wouldn't that leave the message the same? [et2.txt]	What if the alphabet has more than 26 letters?				Stephen
Tea Shop	Reverse Engineering	150 pekoe{brisk_berry_dfe784}	Hey, could you go to the tea shop and order me six cups of tea? I listed the teas I want in a comment at the top of the file. The ordering system is a bit complex, but I'm sure you'll figure it out. Make sure you get them in the order I listed! [TeaShop.java]	Try putting in some orders and seeing what happens! Remember that the teas must be in the right order, or the flag won't count.	V	~	~	Stephen & Sarah
a Secret to Everybody (1)	Cryptography	150 pekoe{golden_monkey_qxfzer}	This encryption is really strong, but not to worry, I found the key! [supersecret.txt]	What sort of cipher has a key this long? Or, what sort of communications would require the heaviest encryption? This flag has letters in place of a hexadecimal code at the end of it.	~	/		Stephen
, , ,	,, <u>g</u> , ,		So I wrote this encrypter thingy. Honestly, I don't even know how it works. I plugged in the flag and it spit out this weird garbage and then I accidentally reverted the program to a previous version from before I had fixed all my errors. Oops! Here's the garbage: [garbage.	Well first you're going to want to make sure the Java actually works. There are 11 lines with errors in them. Or at least that's what my rubber duck	✓	✓	~	
Tea From a Bowl	Reverse Engineering	150 pekoe{lemon_herbal_79a4c1}	txt] and here's the rough draft java file: [JankyEncrypterVersionOne.java]. Good luck! This weird file gave me a strange output what could it have been originally? [output.txt]	said! First, translate the output into something you can decode, <i>then</i> worry				Sarah
Backwards Math	Reverse Engineering	150 pekoe{irish_breakfast_c5665a}	[BackwardsMath.java]	about decoding it.	✓	~		Stephen
Sesame Street	Web Exploitation	150 pekoe{chamomile_482b9b}	What are some ways that websites store information? [SesameStreet.html]	Think about some of the characters on Sesame Street and what they like.	✓	~	✓	John
An Undeniable Correlation	Cryptography	150 pekoe{white_vanilla_grapefruit_zhoxpu}	I had one of my assistants run the numbers. This graph just doesn't make sense! [data.png]	The flag is not in the normal flag format.	✓	~		Stephen
Very Very Zipped	General Skills	150 pekoe{honeybush_636399}	Now we have a zip file, which has 100 zips, all of which have been zipped 100 times looks like you have a lot of files to unzip and search. [very_very_zipped.zip]	You might want to try to automate the unzipping as well as the searching.	~	~	✓	Toby
[REDACTED]	General Skills	150 pekoe{the_inferior_drink_2cea6c}	THE INFORMATION AT https://github. com/MuffinGamedev/MyFirstGithubRepo/blob/master/article.txt HAS BEEN CLEANSED BY CENSOR-BOT. BE THANKFUL THAT IT SPARED YOU FROM SUCH VILE, HORRENDOUS INFORMATION.	Is there any way to see what censor-bot did?	✓	✓		Stephen
	Web Exploitation	200 pekoe{himalayan_orange_fbea40}	I created this tea site with my favorite teas. Can you find the flag? [TeaSite.zip]	This problem uses nodejs and requires a little bit of back end web development knowledge	~	~		John

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Axolotl Forensics		200 pekoe	-{ti_quan_yin_75dea7}	The axolotl holds many secrets could one of them be the flag? [axolotl.png]	Have you heard of steganography?	✓	~		James & Stephen
My Brain Hertz	Cryptography	200 victoria	an_london_fog_jksmxp	This seems to be a substitution cipher, but I have no idea which letters are substituted for which! [hertz.txt]	The flag is not in the normal flag format.	\checkmark	✓		Stephen
262144	Cryptography	200 pekoe	-{white_peony_ba06a4}	Encoding it again will make it more secure right? [262144.txt]	Figure out what was used to encode it, then run the ciphertext through more than once.	\checkmark	✓		Stephen
Relaxing Binaural RSMA	Cryptography	200 pekoe	{japanese_sencha_822a9c}	I thought I was going to get weird mouth noises, but I just got these numbers? [topqualityrsma.txt]	RSA? No, I don't know anything about that. Once you get a decoded number, convert it from base 10 to base 16, then to ASCII.	~	~		Stephen
Eating Gerber Peas (2)	General Skills	200 pekoe		This time you have to work out the binary output of the circuit based on the following input: 00011001 [gerber_2.zip]	Submit the flag as pekoe{decoded_output}	~	~	~	Toby
Cocytus	General Skills	200 pekoe	e{guayusa_5525fe}	Puny mortal, behold! This program was written in the most nightmarish of languages! The unholiest of compilers and the vilest of interpreters! You will never be able to run it! Perish before its ultimate power! [cocytus.txt]	What's an esolang?	✓	~		Stephen
Spectrum of Difficulty	Forensics	250 pekoe	-{hot_cinnamon_spice_56dbf7}	Someone seems to have hidden a message in my favorite song. Can you find it? [teatime. aif]	Can you hide an image in a sound?	~	~		Stephen
Missingno. (1)	Forensics	250 pekoe	{gyokuro 23dfb4}	I found this strange image what does it say? [missingno.png]	You might need to write a program for this.	~	~		Stephen
•	Cryptography		{mayfair breakfast 7248ed}	I encoded the flag in base 64 fifty times. Why, you ask? Well, that's a fantastic question. [203703.txt]	Make sure your program doesn't lose any precision.	~	~		Stephen
More RSMA	Cryptography	250 pekoe	:{ruby_black_73cbe0}	I thought for sure that I would get mouth noises this time [rsa2.txt]	It might be hard to find browser tools that can handle the sort of high numbers involved in RSA; you'll probably have to write something yourself.	V	~		Stephen
Blink	General Skills	250 pekoe	-{blueberry_green_20b131}	This light just keeps turning on and off, it's almost like it is trying to tell me something. (Please note that the flag is not in the usual format) [blinkety_blink.ino]	Ever heard of arduino? What code uses signals delayed at different intervals? Sumbit your flag as pekoe{output}. Replace the spaces in your output with underscores.	✓	✓	~	Owen
Switcheroo (1)	Reverse Engineering	250 pekoe		I accidentally let my flag wander too close to this script, and now it's all flipped around! Can you help me? [switchedflag.txt] [Switcheroo.java]	Read the script carefully and think about how to reverse what it's doing.	~	~		Stephen
A Little Bit Wise (1)	Reverse Engineering	250 pekoe	e{gong_mei_b6b866}	What did this code do to my flag? [bitwise.txt] [ALittleBitWise1.java]	What's a bitwise operator?	~	~		Stephen
A Little Bit Wise (2)	Reverse Engineering	250 pekoe	{apricot_c4b805}	MY SHIFT KEY IS STUCK HOW DO I TURN IT OFF [shift.txt] [ALittleBitWise2.java]	I THINK I SHIFTED THE BITS OF THE FLAG CAN SOMEONE PLEASE HELP ME UNSTICK THIS KEY	~	~		Stephen
Surgeon	Forensics	250 pekoe	{hojicha_52d494}	Doctor, doctor, come quick! The patient seems to have suffered damage to the head [surgeon.png]	What's the "head" of a file?	~	✓	~	Stephen (image by Sara
The Muffin's Message (2)	Forensics	300 pekoe	{genmaicha_55e9f4}	WHAT SECRETS DOES THE MUFFIN HOLD? [MUFFIN2.PNG]	<pre>youtube.com/watch?v=Qwe6qXFTdgc</pre>	✓	✓		Stephen (muffin by Sara
Missingno. (2)	Forensics	300 pekoe	{pomegranate_oolong_783489}	I found another strange image [missingno2.png]	There are colors now? Well, that means more data in the file, which means it'll be a lot more condensed than last time.	\checkmark	✓		Stephen
Missingno. (3)	Forensics	300 pekoe	{citron_green_f768cb}	Well, the strange images start coming and they don't stop coming. [missingno3.png]	This one isn't structured like the other two are. 128 is the magic number.	✓	✓		Stephen
Switcheroo (2)	Reverse Engineering	300 pekoe	{keemun_396a70}	Now, what's going on here? [SwitcherooToo.java] [switched2.txt]	Write your own unswitcheroo method to switcheroo the switcheroo that switcheroo switcheroo'd I think.	\checkmark	✓		Stephen
A Little Bit Wise (3)	Reverse Engineering	350 pekoe	-{ceylon_36387a}	Use your wisdom to find the flag! [bitwise3.txt] [ALittleBitWise3.java]	It would do you well to make sure you know what all these operators are doing; you'll need to reverse some, but not others.	~	✓		Stephen
l33tsp3ak rsa	Cryptography	350 p3ko3	{baicha_7c5d6b}	im a mast3r of 3ncoding. i told 3 of my fri3nds all about it. all you n33d to do to s3nd s3cur3 m3ssag3s lik3 m3 is [I33t.txt]	i s3nt all 3 of th3m th3 3xact sam3 m3ssag3. lik3 th3 oth3r rsa probl3ms, conv3rt the d3cimal numb3r to h3x, th3n to ascii.	✓	~		Stephen
lost porter	Web Exploitation	350 pekoe	{passion_plum_2111b6}	Apparently the porter left a back door open, I just don't know where it is. Can you find it. I think it is somewhere at ctf.dhsprogramming.com (for testing/reviewing you might want to use ip.tgctech.com)	You might want to try scanning for openings that you can connect to. I think it's under this page	\checkmark	~		Toby
Spectrum of Difficulty (2)	Forensics	400 pekoe	{ginger_liquorice_3cdde5}	It's teatime! [moreteatime.wav]	Audacity is a good software for this.	✓	~		Stephen
Beneath the Mask	Reverse Engineering	450 pekoe	-{amba_thieves_tea_6cb8a9}	I'm a shapeshifter, what else should I be? Please don't take off my mask, revealing the flag (instructions in the hint) [masked.txt]	If the bits are ordered like so: "01234567," set bit 3 to 1 for each value that has an "x" after it, set bit 6 to 0 for each value that has a "y" after it, and flip the value of bit 5 for each value that has a "z" after it.	✓	~		Stephen
t's a Secret to Everybody (2)	Cryptography	500 pekoe	-{uva_highlands_hkczov}	Today's weather report is in huh? [secret2.txt]	You'll probably need some specialized tools to crack this one. What mistakes led to this cipher first being broken? The reflector being used is C and the rotors used are II, III, IV in that order.	~			Stephen