Week 1

None of the above

Decomposition helps us to break down a problem into smaller chunks so that we can divide and conquer complexity.

*	Which of the following is used in the process of computational thinking?
Choos	ee one of the following answers.
	Algorithm
	Decomposition
	Abstraction
	Pattern recognition
~ @	All of the above
That is	s correct! Algorithm, decomposition, abstraction and pattern recognition are all computational thinking competencies.
Ve	ek 2
	In which of the following disciplines can you see computational thinking application?
	se one of the following answers.
	Biology
) Economics
	Arts
	Engineering Engineering
	All of the above
Comp	autational thinking can be applied across all these disciplines and more.
*	What is abstraction in computational thinking concept? Check all that apply.
Choos	se at least one answer.
v 0	Simplifying the complexity
v 5	Pointing out necessary information
v 5	Filtering out irrelevant detail
All the	options are descriptions of what abstraction is as a computational thinking competency.
*	Which of the computational thinking competency allows you to break down a complex phenomenon into smaller chunks to solve a problem?
Choos	e one of the following answers.
	Abstraction
	Algorithms
	Decomposition

1. * Which of the following example(s) illustrates pattern recognition? Check all that apply.
Choose at least one answer.
X Ascending the numbers
✓ ☑ Having students to learn colors and shapes by clustering them
☐ Asking students to evaluate the locations of volcanoes and earthquakes across the globe
☐ Grouping students randomly
Ascending the numbers is about algorithms and not pattern recognition. Grouping students randomly does not have a clear set of grouping and thus has no pattern.
1. * How does computational thinking benefit us the most?
Choose one of the following answers.
To learn computer programing
To think like a machine or computer
◆ ⑤ To solve complex problems by using specific techniques
None of the above
Week 3
*Baking a cake by following its step-by-step instructions is a good example of
Choose one of the following answers.
O Decomposition
O Pattern recognition
O Abstraction
✓ ⊚ Algorithms
Algorithm is a step-by-step process while solving a problem.
2. * A MRT map is a good example of
Choose one of the following answers.
✓ ⊚ Abstraction
O Pattern recognition
○ Algorithms
O Decomposition

3. * Breaking down choreographic forms of dance into smaller acts (e.g., narrative, canon, retrograde) is an example of
Choose one of the following answers.
✓ ⊚ Decomposition
○ Abstraction
Pattern recognition
O Algorithms
Decomposition is a breaking down process while solving a problem.
4. * Pairing up your socks back together is an example of
Choose one of the following answers.
○ Algorithms
O Decomposition
○ Abstraction
▼ ⊚ Pattern recognition
Pattern recognition helps us to match up the right sock pairs.
1. * Grouping given items according to their colors and shapes is a good example of
Choose one of the following answers.
O Abstraction
O Algorithms
▼ ® Pattern recognition
O Decomposition
Pattern recognition helps us to group items in the same category.
2. * Evaluating the locations of volcances and earthquakes across the globe to find out similarities is a good example of
Choose one of the following answers.
O Decomposition
★ Abstraction
O Algorithms
O Pattern recognition
Pattern recognition helps us to find the similarities across locations.
*Computational thinking applications are more applicable in the computer science field.
Answer:
○ True
▼ ® False
Computational thinking applications are applicable in any discipline.
2. * Computational thinking requires knowing technical skills.
Answer:
○ True
✓ ® False
You do not have to have any technical skills to understand computational thinking.

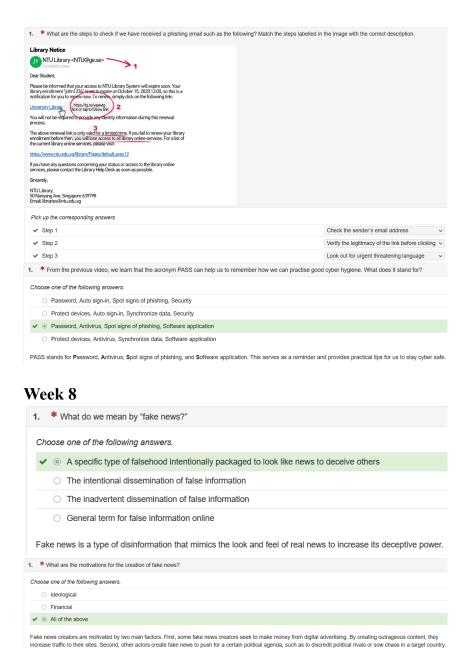
1. * What are the benefits of computational thinking competencies?	
Choose one of the following answers.	
It enables us to know how to use the computer.	
It enables us to understand how programming works.	
✓ ⊚ It enables us to understand how to solve complex problems.	
It enables us to know how computer parts work.	
Computational thinking competencies allow us to solve complex real-world issues.	
2. * Computational thinking competencies allow us to (Check all that apply)	
Choose at least one answer.	
✓ ☑ Construct possible solutions	
✓ ☑ Identify a complex problem	
✓ ☑ Analyze what the problem is	
Computational thinking competencies allow us to identify complex problems, detect the type of problem, and develop potential solutions to solv	e the problem.
*Computational thinking application can facilitate improving our (Check all that apply)	
Choose at least one answer.	
✓ ☑ Thinking skills	
✓ ☑ Interdisciplinary connections	
✓ ☑ Problem-based learning skills	
Computational thinking competencies allow us to improve not only our interdisciplinary connections, but also our problem-based learning and t	
Week 4	
1. * Which of the following real-life questions can be considered as quantitative reasoning problems?	
1. *Which of the following real-life questions can be considered as quantitative reasoning problems? Chosen of least any anguer.	
Choose at least one answer.	
Choose at least one answer. When should I start from home to reach school on time?	
Choose at least one answer.	
Choose at least one answer. When should I start from home to reach school on time? Which canteen stall to queue up for lunch if I am in a hurry? Should I buy health insurance at my current age, or wait? Every problem mentioned in the question requires you to think quantitatively. In case of health insurance, you need to estimate the risk and gain case of time estimates, you need to know about troutes and traffic flows. In case of canteen queues, you need to know about the processing time	
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uess	hat do you think is the probability (chance) of a data point being 7 Standard Deviations away from the Mean? Take a or search online for a technically correct estimate.
	o you think is the probability (chance) of a data point being 7 Standard Deviations away from the Mean? Take a guess or search or a technically correct estimate.
Choos	e one of the following answers.
	Probability 1/10, that is, chance of 1 in 10.
ĸ 🍥	Probability 1/100, that is, chance of 1 in 100.
	Probability 1/1000000000, that is, 1 in a Billion.
	Probability 1/100000, that is, 1 in a Million.
hock	ed? It is actually even less! Go through the remaining portion of the lesson to see how we use this.
*	What does Mean of a distribution signify?
Choos	e one of the following answers.
	The behaviour of each individual data point.
	The "deviation" of data points from the average.
	The extreme behaviour of the data points.
v ⊚	The behaviour of data points "on an average".
∕lean i	s quite literally the "average" behavior of the data points, and is computed as "average" as well.
*	What does Standard Deviation of a distribution signify?
hoos	e one of the following answers.
	The behaviour of each individual data point.
	The extreme behaviour of the data points.
~ •	The "deviation" of data points from the average.
	The behaviour of data points "on an average".
	rd Deviation is the average deviation of a data point from the Mean of the distribution, computed as follows. quare-root(sum(square(data point - mean)))
	Ve found that the drug is not identical to the placebo in case of our headache trials. This means the drug actually works in case of headaches better (faster) that Will you now take the drug for headache?
hoose	at least one answer.
	Not sure yet. Need to perform a cost-benefit analysis if I know the price.
	Yes, of course. The drug will surely work for me in case of headaches.
/ 🖸	Not sure yet. The drug reduces the time only by 4 minutes on an average.
· 🖸	Not sure yet. The drug works better in general, but will it work for me?
he tria	Is and statistics only provides you with numeric analysis of the problem. But decision making is a bigger challenge, and often your individual preference.
	ek 5 Suppose you find that the mean marks obtained by students in your class is 75, while the standard deviation is 5. If there are 500 students in your class, then rough
w ma	ny of them scored between 70 to 80, if you assume a bell curve?
	one of the following answers. No one scored within that range, as it is too narrow.
	NO OHE SCORED WITHIN THAT LANGE, AS IT IS 100 HARTOW.
	Maximum students score within that range, so 450
	Maximum students score within that range, so 450. Must be close to 68% for Mean +/- SD, that is, 340.

If you assume a distribution is like a beli-curve, that is, if you have a Normal/Gaussian distribution, then the number of data points within the band of Mean – SD to Mean + SD is expected to be 68% of the total data points. This is a property of Normal/Gaussian distributions.

 Area has a correlation of 0.76 with Price think will be the error in case of predicting Price 	e, while Quality has a correlation of 0.81 with Price. Area has a prediction error (standard error) of 51503 for Price. What do you e using Quality?
Choose one of the following answers.	
✓ Must be less than 51503, but not sure	how much.
Error can be same as the standard en	ror for Area.
Error should be about half, that is, aro	ound 25000.
Errors are not at all related to the corre	elations.
Correlation does matter in case of standard en	rror for prediction, and the higher the correlation, the lower the standard error. So, it will surely be lower.
*Suppose you model you score for a cou Score = 5 x ClassTime/Week + 3 x RevisionTin	urse as follows.
Choose one of the following answers.	
✓ ● For Score > 80, we need RevisionTim	ne/Week > 5 h.
The relationship is not provided in the	
O For Score > 80, we need RevisionTime	
The model gives you an estimate of score bas value (or range) of the response.	sed on the features ClassTime and RevisionTime per week. Thus, we can calculate the features required to obtain a specific
	elemented by an organisation to protect its cyber assets from damage, malicious attack and unauthorised access. Select all the
Choose at least one answer.	
✓ ☑ technologies	
practices	
✓ ☑ processes	
Cyber security refers to the technologies, procunauthorised access.	cesses and practices that are put in place to protect data, devices, programs or networks from damage, malicious attack and
Please identify the strongest password	combination from the following.
Choose one of the following answers.	
S1ng@Pore	
O password	
O P@ssw0rd	
✓ ⊚ c3V@6t!G	
* @ 60V@660	
It is recommended to use passwords with unic by hackers.	que combinations (letters, numbers, mixed case, special characters) that will enable your account to withstand relentless attact
* Data is only available in digital format.	
Answer:	
O True	
✓ ⊚ False	
Data refers to information processed by a comp	puter. Information can be in physical (e.g., text documents, images) or digital (e.g. audio clips, software programs) format.
2. * Data is classified into four levels of secu	rity. What are the four levels?
Choose one of the following answers.	
Open, Internal, In-confidence, Highly C	Confidential
Public, Internal, Sensitive, Top Secret	
✓ ⊚ Open, Restricted, Confidential, Classiff	led
Open, Restricted, Confidential, Secret	
For a recap of the four levels of data classificat	tion, please watch the video on Data Security again.

Cho	ose one of the following answers.
	Meant for recipients who are required to take action in response to your email
	To keep someone in the loop even if a message does not directly concern them
~	To keep the identities of the recipients confidential
	use of BCC can be applied when sending impersonal emails, such as announcements, to a large list of people who may not know one another. This is a polite gesti espects the privacy of the receivers – protecting their identities while avoiding chain email communications that may be irrelevant to them.
2.	Which of the following statement best describes how we can reduce the risk of being hacked when connected to a public Wi-Fi network?
Cho	ose one of the following answers.
	Always use trusted public Wi-Fi networks
	Avoid doing any sensitive transactions e.g. internet banking
	Ensure that your device has an up-to-date antivirus software
~	All of the given options
V	recap of the best practices when connecting to a public Wi-Fi network, please watch the video on Acceptable IT Usage again. PER 7 What are the main objectives of the NTU Cybersecurity team? Select all that apply.
V	eek 7
Cha	eek 7 * What are the main objectives of the NTU Cybersecurity team? Select all that apply. see at least one answer.
Cha	Peck 7 * What are the main objectives of the NTU Cybersecurity team? Select all that apply. see at least one answer. Accountability
Cha	** What are the main objectives of the NTU Cybersecurity team? Select all that apply. Accountability Availability Confidentiality
Cha	Peck 7 * What are the main objectives of the NTU Cybersecurity team? Select all that apply. see at least one answer. Accountability
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Cho	What are the main objectives of the NTU Cybersecurity team? Select all that apply. Isse at least one answer. Accountability Availability Confidentiality Integrity NTU Cybersecurity team aims to achieve: Confidentiality - Ensure data or information cannot be read by unauthorized personnel. Integrity - Data or information held by NTU remains accurate and unmodified by unauthorized personnel.
Cho	Pock 7 What are the main objectives of the NTU Cybersecurity team? Select all that apply. In a countability Accountability Accountability Integrity Integrity Integrity Integrity The Cybersecurity team aims to achieve: Confidentiality - Ensure data or information cannot be read by unauthorized personnel. Integrity - Data or information held by NTU remains accurate and unmodified by unauthorized personnel. Integrity - Data or service remains usable with sufficient capability to deliver our educational services.
Cho	Pock 7 What are the main objectives of the NTU Cybersecurity team? Select all that apply. It was at least one answer. Accountability Confidentiality It use at least one answer. It is a confidentiality It use the main objectives of the NTU Cybersecurity team? Select all that apply. It uses at least one answer. It confidentiality It uses the main objectives of the NTU cybersecurity team aims to achieve: Confidentiality It uses the main objectives of the NTU cybersecurity team aims to achieve: Confidentiality - Ensure data or information bed not objective of the number of t
Cho	What are the main objectives of the NTU Cybersecurity team? Select all that apply. Issee at least one answer. Accountability Availability Integrity Integrity Integrity TO Cybersecurity team aims to achieve: Confidentiality - Ensure data or information annot be read by unauthorized personnel. Integrity - Data or information held by NTU remains accurate and unmodified by unauthorized personnel. Integrity - Data or service remains usable with sufficient capability to deliver our educational services. To deliver our educational services. To deliver our educational services. To deliver our educations when managing cybersecurity. Which of the following actions aligns with the Acceptable IT Usage Policy (AIUP)? Select all that apply.
Cho	Pock 7 What are the main objectives of the NTU Cybersecurity team? Select all that apply. It is at least one answer. Accountability Accountability Accountability Integrity Integrity Integrity The Cybersecurity team aims to achieve: Confidentiality - Ensure data or information cannot be read by unauthorized personnel. Integrity - Data or information their by NTU remains accurate and unmodified by unauthorized personnel. Integrity - Data or service remains usable with sufficient capability to deliver our educational services. In the objectives are highly applicable across society and are the key considerations for many other organizations when managing cybersecurity. Which of the following actions aligns with the Acceptable IT Usage Policy (AIUP)? Select all that apply. In the sea tile ast one answer.



1. * In a survey conducted in Singapore in December 2019, which type of news consumption was found to be positively related with belief in fake news?
Choose one of the following answers.
▼ Social media news use
All types of news use
Traditional news media use
This survey, as well as previous studies in other countries, found that social media news use is positively linked to higher propensity to believe in fake news. Why do you thin this is the case?
2. * Confirmation bias refers to
Choose one of the following answers.
▼ ⊚ Human tendency to seek and believe in information that confirms our existing beliefs
Human tendency to believe a lie when it is repeated several times
 Some individuals have high confidence in their ability to spot fake news but actually have low capability
All of the above
It is easier for us to process new information when it already aligns with our existing beliefs. This makes our lives simpler, but also makes us vulnerable to fake news.
1. * Why do most people ignore false news on social media?
Character 6th 6th circums
Choose one of the following answers.
The topic is not relevant to them
They want to avoid arguments
They don't want to hurt the feelings of those who posted the incorrect post
They think that taking action won't have any impact
✓ ⊚ All of the above
When people who are able to spot fake news do not do anything, they allow fake news to thrive. Some people post something on social media not because they believe in it
but sometimes it is because they are not sure and they hope someone can verify it for them. 2. *Why do most people ignore false news on social media?
Choose one of the following answers.
The topic is not relevant to them
They want to avoid arguments
They don't want to hurt the feelings of those who posted the incorrect post
They think that taking action won't have any impact
✓ ⊚ All of the above
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٦
Week 9
* True or false: Authentication of information is a purely individual-level process.
Answer:
○ True
▼ ® False
Authentication can also be a social process. Some people post information online, hoping someone will authenticate for them. Others also turn to family or friends to authenticate information they are unsure about, which is a form of external authentication.

	Singapore's law to combat fake news, which was passed into law in May 2019, is called:
Cho	ose one of the following answers.
	Anti-Fake News Law
•	Protection from Online Falsehoods and Manipulation Act
	Network Enforcement Act
	None of the above
	MA was passed into law in May 2019 and empowers ministers to issue orders to individuals, internet providers, tech platforms, and mass media outlets to correct or take a posts that are deemed false and threaten public interest.
1.	Which process "occurs post publication and compares an explicit claim made publicly against trusted sources of facts?"
Cho	ose one of the following answers.
	O Verification
•	Fact-checking
	None of the above
Fact	checking is the process of authenticating information already in the public domain. Verification is a process that is done prior to publication.
2.	* What is a "truth sandwich?"
Cho	ose one of the following answers.
~	A fact-check format where correction is first presented, followed by the falsehood being debunked, and ending with the correction being stressed again.
	A format used by a fact-checking site where the number of sandwiches accompanying a post visually indicates the truthfulness of the post (i.e., having five truth sandwiches means the post is completely true).
	A viral fake news post saying a type of sandwich can make people immune to fake news.
post	void primacy effects, which may cause a fact-check to backfire, some suggest that a fact-check should start with the correct information and not start by repeating the being debunked (because some people will remember what they see first). The fact-check should also end with the correction being stressed or repeated, so as not to let noy effect kick in (i.e., some people may remember the last thing they read).
1.	Why is ethics important to the use and development of digital and online technologies?
Cho	ose one of the following answers.
	a) These technologies only inflict harm and misery upon humanity. We need ethics to finally end the madness.
	b) It is morally wrong to use digital and online technologies. Ethics is needed to help us find a way to overcome our dependance on these technologies.
	c) These technologies pose risks of harms to privacy, security, fairness, and other values. Ethics shows that these values are ultimately not important.
	c) These technologies pose risks of harms to privacy, security, fairness, and other values. Ethics shows that these values are ultimately not important. Although digital and online technologies bring many benefits, they also pose risks of harms to privacy, d) security, fairness, and other values. Therefore, we need to develop and use these technologies in ways that avoid their associated harms while getting the most from their benefits.
~	these values are ultimately not important. Although digital and online technologies bring many benefits, they also pose risks of harms to privacy, (a) d) security, fairness, and other values. Therefore, we need to develop and use these technologies in ways that
✓ A is	c) these values are ultimately not important. Although digital and online technologies bring many benefits, they also pose risks of harms to privacy, d) d) security, fairness, and other values. Therefore, we need to develop and use these technologies in ways that avoid their associated harms while getting the most from their benefits. incorrect. Digital and online technologies offer remarkable benefits in the form of knowledge, communication, efficiency, and personalization. incorrect. While some uses of digital/online technologies can be wrong, such as cyberbullying and stealing private information, not all uses of these technologies are
A is B is wror	c) these values are ultimately not important. Although digital and online technologies bring many benefits, they also pose risks of harms to privacy, d) d) security, fairness, and other values. Therefore, we need to develop and use these technologies in ways that avoid their associated harms while getting the most from their benefits. incorrect. Digital and online technologies offer remarkable benefits in the form of knowledge, communication, efficiency, and personalization. incorrect. While some uses of digital/online technologies can be wrong, such as cyberbullying and stealing private information, not all uses of these technologies are
A is B is wror	c) these values are ultimately not important. Although digital and online technologies bring many benefits, they also pose risks of harms to privacy, d) security, fairness, and other values. Therefore, we need to develop and use these technologies in ways that avoid their associated harms while getting the most from their benefits. incorrect. Digital and online technologies offer remarkable benefits in the form of knowledge, communication, efficiency, and personalization. incorrect. While some uses of digital/online technologies can be wrong, such as cyberbullying and stealing private information, not all uses of these technologies are 19.

1		* v	۷hi	ich of the following is an incorrect application of a moral theory to the evaluation of cyberbullying?
	Ch			ne of the following answers.
		0	a)	Society as a whole would be better off if people didn't cyberbully each other. Therefore, from a utilitarian point of view, cyberbullying is morally wrong.
		0	b)	Cyberbullying is cruel because it subjects another human being to anguish and humiliation. A virtuous person would not be cruel. Hence, from the perspective of virtue ethics, cyberbullying is morally wrong.
	~	•	c)	Cyberbullying respects the rationality and autonomy of the victim, since it gives the victim a chance to rationally and autonomously overcome the distress caused by cyberbullying. Therefore, cyberbullying is morally right from the perspective of Kant's ethics.
		0	d)	Cyberbullying does not respect the victim as a rational and autonomous being. It causes depression and anxiety, which is known to weaken a person's sense of control over their own lives. It also causes irrational, self-harming behavior such as eating disorders and suicide attempts. Therefore, from the perspective of Kant's ethics, cyberbullying is morally wrong.
1.	1	* Wi	nic	h of the following actions interferes with a person's informational privacy?
CI	hoc	se c	one	e of the following answers.
	(Эа) t	nviting someone to follow another person's profile on social media (e.g., Twitter or Instagram), because you hink they post interesting content.
~	• (b) F	Revealing confidential secrets about a person's sexuality online.
	() c) 5	Spreading defamatory lies about someone in an attempt to destroy their reputation.
	() d) /	All of the above.
int	egrit mina	y team	n. O	Haugen ["see references below] was an employee at Facebook for 2 years until May of 2021. While working at the social media giant, she worked on the civic wer time she became persuaded the company was not doing as much as it could to combat misinformation, cyberbullying, hate speech, addictive behavior, and esplonage on the platform. She suggested to her superiors that Facebook should hire more people to deal with these issues properly, but the company
bu	t cho	se no	t to :	ected thousands of internal memos and studies suggesting that Facebook itself was aware of the harmful and criminal behavior taking place on its platform, address it in order to boost user engagement. She released the documents to the United States Securities and Exchange Commission, together with a mplaint. In October of 2021, she testified before the United States Senate that Facebook was prioritizing profits over the safety of its users.
Ac	cord	ing to	Rich	hard De George's criteria, was Haugen's act of whistleblowing morally obligatory, morally permissible, or neither?
for	Cat r our Jeff ps:// Rya	Horw Horw WWW.V	ews non itz. 2 vsj.c	ki, Cristiano Lima, Elizabeth Dwoskin and Will Oremus. 2021. "Facebook whistleblower Frances Haugen tells lawmakers that meaningful reform is necessary good" (5 October 2021). The Washington Post. URL: https://www.washington.post.com/technology/2021/10/bfacebook-senate-hearing-frances-haugen C021. The Facebook Whistleblower, Frances-haugen, Says She Wants to Fix the Company, Not Harm If (3 October 2021). The Wall Street Journal. URL: com/articles/facebook-whistleblower-frances-haugen-says-she-wants-to-fix-the-company-not-harm-t-11633304122 dCedila Kang. 2021. Whistles-Blower-Says-Facebook 'Chooses Profits Over Safety" (3 October 2021). The New York Times. URL: https://www.nytimes.com.nology/whistle-blower-facebook-frances-haugen.html
				he following answers.
•				er De George's criteria, it is morally obligatory to blow the whistle in this case.
				er De George's criteria, it is morally permissible but not obligatory to blow the whistle in this case. Fr De George's criteria, it is neither morally obligatory nor morally permissible to blow the whistle in this
		c) c	ase.	я ие веогуе в члена, к із пешле плявіту вонувавну погіновану рентівзвое то віом вне мітвие ін вітв
		d) N	lone	of the above.

Week 11

A Coffessor and	0 111
✓ Software code	Copyright
Formula for a popular soft drink	Confidential information
✓ A made-up word for a brand name e.g. Lazada or Reebok	Trademark
✓ A new type of paper clip	Patent
ioftware code is protected by copyright as it is WRITTEN with computer language that has its own syntax. A new type of paper clip can be protected by a patent as it may present a NEW way to better secure multiple sheets Formula for a popular soft drink can be protected as a trade secret, i.e., confidential information. A made-up word for a brand name (for example LAZADA or REEBOK) can be protected as a trademark to be used **Assuming Denise was 25 years old when she took the photograph in 2021, and that she dies in in the year 2066.	l in business.
notograph last?	, nor many your an total min the copyright in nor
Choose one of the following answers.	
○ 134	
○ 75	
○ 39	
✓ ⊚ 109	
This is a matter of doing the math right! (2060 – 2021) + 70 = 109!	
* Time passes, and it is now 2050. Jean has a heart attack and dies on 15 March 2050. When does the copyright	in her photograph expire?
Choose one of the following answers.	
✓	
It becomes part of the public domain upon Jean's death	
O When Jean dies	
At the end of 2125	
The copyright in Jean's photograph expires at the end of 2120, that is, 70 years after the year of Jean's death. That is	when the photograph enters the public damain
* Which of the following is true about Denise's photograph?	when the photograph enters the public domain.
hoose one of the following answers.	
It has no originality.	
It was made with a digital camera, and is therefore not fixed in a physical copy.	
It was made with a digital carriera, and is deferred not fixed in a physical copy. It enjoys copyright protection as an independently created work.	
It is an infringement of Jean's photograph.	
is an infringement of Jean's photograph. his is false, Ideas cannot be protected by copyright.	
has no originality. his is false. Originality just means that it is not copy of another work.	
was made with a digital camera, and is therefore not fixed in a physical copy, his is faise. Digital forms are protected as tangible expression as they are capable of being perceived.	
* What is the purpose of watermarking the image with the copyright notice?	
What is the purpose of watermarking the image with the copyright notice? thoose one of the following answers.	
choose one of the following answers.	

The purpose is only to assert copyright ownership of the image publicly. All other options do not exist. Remember that copyright automatically attaches to a protectable work as soon as the work is created, as provided by the Copyright Act.

1. * Which of the following statements is true about the law of contracts?
Choose one of the following answers.
All contracts must be approved by a government official to be valid.
Contracts are valid only if a lawyer prepares them.
✓ ⊚ Contracts can be made verbally as well as in writing.
A person can be forced, against his/her will, to agree to a contract
All contracts must be approved by a government official to be valid. This is false. Contracts are private agreements between parties, which do not require approval from government authorities. However, if you are contracting with a government authority, it may prescribe the FORM in which a contract is drafted.
A person can be forced, against his/her will, to agree to a contract This is false. The law of contract provides that agreement to a contract is voluntary. If there is no voluntariness, a contract may be set aside/cancelled.
Contracts are valid only if a lawyer prepares them. This is false. Lawyers are only involved if one or more of the parties wish for a lawyer to review the terms of the contract or its context for legal risk and clarity.
1. * What does the following statement from a social media platform Terms of Service mean?
"you grant us a non-exclusive, perpetual, sub-licensable, royalty-free, worldwide license to use any IP content that you post"
Choose one of the following answers.
 The licensee is able to assign any content posted by the licensor.
The licensee is the only entity that can extensively use the content.
 The licensee owns any content that is posted by the licensor on the platform.
✓ The licensor remains the owner but grants the platform a very extensive scope of use for the licensed content.
Week 12
Week 12 1. * What information is recorded in the blockchain of Bitcoin? Select all that apply.
* What information is recorded in the blockchain of Bitcoin? Select all that apply.
* What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer.
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. V Nonce
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ ☑ Nonce ✓ ☑ Timestamp
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ ☑ Nonce ✓ ☑ Timestamp ✓ ☑ Hash value of previous block
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ ☑ Nonce ✓ ☑ Timestamp ✓ ☑ Hash value of previous block ✓ ☑ Merkle tree root of transaction information
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ ☑ Nonce ✓ ☑ Timestamp ✓ ☑ Hash value of previous block ✓ ☑ Merkle tree root of transaction information All of the above can be recorded as information in the blockchain of Bitcoin.
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ Nonce ✓ Timestamp ✓ Hash value of previous block ✓ Merkle tree root of transaction information All of the above can be recorded as information in the blockchain of Bitcoin.
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ ☑ Nonce ✓ ☑ Timestamp ✓ ☑ Hash value of previous block ✓ ☑ Merkle tree root of transaction information All of the above can be recorded as information in the blockchain of Bitcoin.
1. * What information is recorded in the blockchain of Bitcoin? Select all that apply. Choose at least one answer. ✓ Nonce ✓ Timestamp ✓ Hash value of previous block ✓ Merkle tree root of transaction information All of the above can be recorded as information in the blockchain of Bitcoin. 2. * Select all that apply to the following statement. Blockchain technology is a public database or public ledger based on a combination of technologies including Choose at least one answer. ✓ Smart contract

1.	* Why is consortium chain useful in supply chain finance services? Select all that apply.					
Choose at least one answer.						
Consortium chain can potentially replace the financial intermediary.						
The falsified contract makes it difficult to verify the trading relations and consortium chain can help to alle this problem.						
~	Consortium chain is best suited for organization collaborations.					
~	Supply chain finance requires coordination of multiple parties.					
	nsortium chain cannot replace financial intermediary.					
	Which of the following statement is NOT correct?					
Choose one of the following answers.						
	Deep learning belongs to the family of Machine Learning.					
~ ①	Machine learning always needs labelled data for its training.					
	Supervised learning makes use of labelled data.					
	Unsupervised learning does not need labelled data.					
*Which of the following is TRUE about deep learning?						
	e one of the following answers.					
	Deep learning is based on the concept of artificial neurons					
	Deep learning consists of multiple hidden layers of neural networks					
	Deep learning needs data to develop its algorithm					
~ (e)	All of the above					
1. *	Which of the following describes how social media platforms make use of AI for product marketing?					
Choose	e one of the following answers.					
	Monitoring the websites that you visit					
	Monitoring the items that you search					
	Monitoring your 'Likes'					
✓ ⊚	All of the above					
2. *	Which one of the following will be most challenging to achieve with AI technology?					
Choose	e one of the following answers.					
	Managing product inventory					
	Writing a poem					
	Monitoring engine condition					
	x ® Predicting stock price 1. * Which could be the reason for using the AI technologies such as Deepfake?					
Choose one of the following answers. To influence stock price						
	To influence stock price					
	To undermine reputation of a product					
	All of the above					