



1.4 Codefez Security Worksheet 1

1. Donald wants to make sure that his emails are secure when in the office. Hilary a former office member had her emails leaked some time back. Suggest 2 types of software Donald can install on his computer that would help keep it secure.

----- [2]

2. Donald has installed the required software onto his computer but has been told that the OS has features to further support the security of his computer. One of these is adding a password to log in to the system. What are 2 more?

----- [4]

3. Sally stores customer details of the local cinema that she runs on a database on a computer. The computer is connected to the local network which is shared with staff and customers. Give 2 ways that customer details can be compromised and how she can circumvent the threats.

----- [4]

4. When asked how he would keep his messages secure and out of the hands of hackers (unlike Hilary), Donald reminded those at a press conference of his intelligence by saying that he is “like, really smart”. He talked about an encryption method that the likes of the great Ceasar would use.

The example of a Caesar cipher here moves every place in the alphabet 3 places forward.

a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	U	v	w	x	y	z
d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u	v	w	X	y	z	a	b	c

Do you think that this is an uncrackable method of encryption?

----- [2]

5. Daniel carries work home that he wants to continue working on during evenings using a USB flash drive. If he was to lose the USB drive with the files, data can be accessed by unauthorised people. Suggest 2 ways Daniel can avoid unauthorised access to his files:

1:

2:

[2]

6. Complete the following table to state which form of security.

Type of security measure	Outcome
	Requires a second pin or keyword to be sent to an email, phone or generated using an app.
encryption	
	Only permits people to access files based on role in an organisation or level in hierarchy.

[3]

