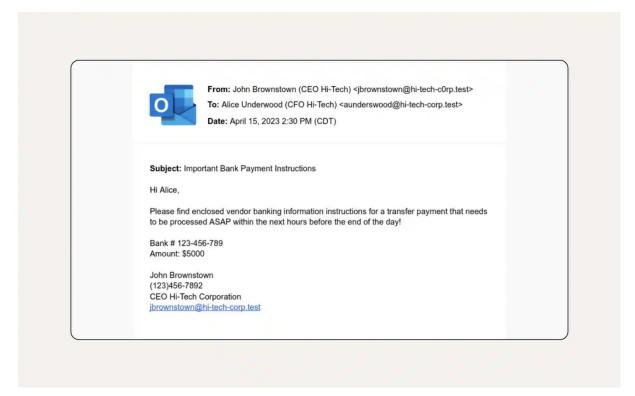
TASK 2

1. Obtain a sample phishing email



2. Examine sender's email address for spoofing

Element	Problem Detected
Domain name	hi-tech-c0rp.test instead of
	the likely legitimate domain
	hi-tech-corp.com. This uses a
	typo squatted domain: the
	letter "o" is replaced with a
	zero ("0") in "crop".
Top-level domain (.test)	.test is not used for real
	organizations. It's a reserved
	domain used for testing,
	which makes it a red flag—
	legit companies don't send

	business emails from .test
	domains.
Display name spoofing	"John Brownstown (CEO Hi-
	Tech)" looks real, but this can
	be easily faked to trick users.
	The actual sender domain is
	what matters, not the display
	name.
No digital signature	While not shown here,
(DKIM/SPF/DMARC)	spoofing often bypasses
	authentication checks like
	SPF, DKIM, and DMARC if
	these are not enforced by
	the real domain.

3.Check email headers for discrepancies (using online header analyser)

Summary

From: John Brownstown <jbrownstown@hi-tech-c0rp.test>

Reply to: <fakepayments@protonmail.com>

Received

Hop: 1

From: unknownserver123.biz ([185.33.44.101])

Percent: 0

Other

<johnbrown@examplemail.ru>

FAIL (sender IP not authorized)

FAIL

FAIL

Header Fiel	d What to Check
Return-	Should match the From address. If different, this is a
Path:	red flag.
Received:	Trace the path of the email. Look for suspicious IPs,
lines	servers, or geolocations.
From:	Display name may say "CEO," but domain may be
	spoofed.
Reply-To:	Often set to a different, malicious
nepiy-10.	address.
SPF:	Look for SPF: FAIL – means sender IP is not
JFF.	authorized.
DKIM:	Look for DKIM: FAIL – signature doesn't match
DKIIVI.	domain.
DMARC:	Look for DMARC: FAIL – domain policy not
	satisfied.
Message-ID:	If domain here doesn't match sender's domain, it's
ivic33age-1D.	suspicious.

4.Identify suspicious links or attachments. If this phishing email **did** contain links or files, here's how to spot them:

Suspicious Links

• Mismatch in display vs actual link:

Click here to verify: [secure.hi-tech-corp.com] → Actually links to malicious-site.ru/payme.html

- Obfuscated URLs using link shorteners:
 e.g., bit.ly/3Gh9Xpay
- Spoofed login pages: e.g., a fake Microsoft 365 login

Suspicious Attachments

- Files like:
 - Invoice.pdf.exe (double extension)
 - payment_instructions.docm (macro-enabled Word file)
 - banking_info.zip (compressed malware)
- Attachments with **urgent labels**: URGENT_TRANSFER.pdf

5.Look for urgent or threatening language in the email body.

Phrase	Why It's a Red Flag
" needs to be	Creates a sense of urgency to make the
processed ASAP"	recipient act without verifying.
" within the next	Artificial time pressure — often used in
hours"	phishing to bypass normal company
	protocols.
" before the end of the	Encourages rushing the task, which leads
day"	to mistakes.
No allowance for	This is a classic manipulation technique to
questions or	cut out second opinions.
verification	

6. Note any mismatched URLs (hover to see real link).

- Misspelled domains (hi-tec-corp.com, hi-tech-c0rp.com)
- Unfamiliar top-level domains like .ru, .tk, .xyz
- IP addresses or URL shorteners (bit.ly, tinyurl, etc.)

7. Verify presence of spelling or grammar errors.

Sentence or Phrase	Issue	Suggested
		Correction
"Please find	Awkward/unnatural	"Please find the
enclosed vendor	phrasing	enclosed vendor
banking information		banking
instructions"		instructions"
"within the next	Grammatically	"within the next
hours before the end	incorrect / incomplete	few hours before
of the day"		the end of the day"
Repetition:	Poor writing style	Rephrase one of
"completed" used		the sentences to
twice in two		avoid redundancy.
sentences		

8. Summarize phishing traits found in the email.

This email is a clear **attempt at Business Email Compromise (BEC)** using:

- CEO impersonation
- Domain spoofing
- Psychological manipulation (urgency + authority)

 Reported to IT/security immediately. Flagged and blocked at the email gateway. Used as part of security awareness training. 	If re	ceived in a real environment, it should be:
	1	. Reported to IT/security immediately.
3. Used as part of security awareness training.	2	. Flagged and blocked at the email gateway.
	3	. Used as part of security awareness training.
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