



# Use and misuse of the Internet



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# The Internet

- ▶ In Today's era the buzzword is non other than Internet.
- ▶ Internet - the global system of interconnected computer networks that uses the Internet protocol suite to communicate between networks and devices.
- ▶ Internet was made in January 1, 1983
- ▶ Every newspaper we see, every advertisement of organizations have their own websites and have made felt their presence.

# Uses of Internet

The Internet is used for many different things such as:

- ▶ talking to friends,
- ▶ research,
- ▶ interactive games,
- ▶ education and self-improvement,
- ▶ friendship and dating,
- ▶ electronic newspapers and magazines,
- ▶ watching videos,
- ▶ and many other reasons.



# Misuse of the Internet

- ▶ Piracy,
- ▶ Cyber bullying,
- ▶ Fake advertising,
- ▶ Hacking,
- ▶ Identity theft,
- ▶ Online negativity, etc.



# Cyber bullying

- ▶ ranks number one in the list of the misuse of the internet,
- ▶ It is a kind of bullying that takes place over digital devices like cell phones, computers, and tablets.

Examples of cyber bullying:

- ▶ Sending mean texts to someone,
- ▶ Pranking someone's cell phone,
- ▶ Hacking into someone's gaming or social networking profile,
- ▶ Being rude or mean to someone in an online game,
- ▶ Spreading secrets or rumors about people online,
- ▶ Pretending to be someone else to spread hurtful messages online.



# Piracy

- ▶ Piracy is the act of illegally copying or downloading copyrighted material, such as computer programs, books, music, and films.

Ways to prevent the spread of pirated software:

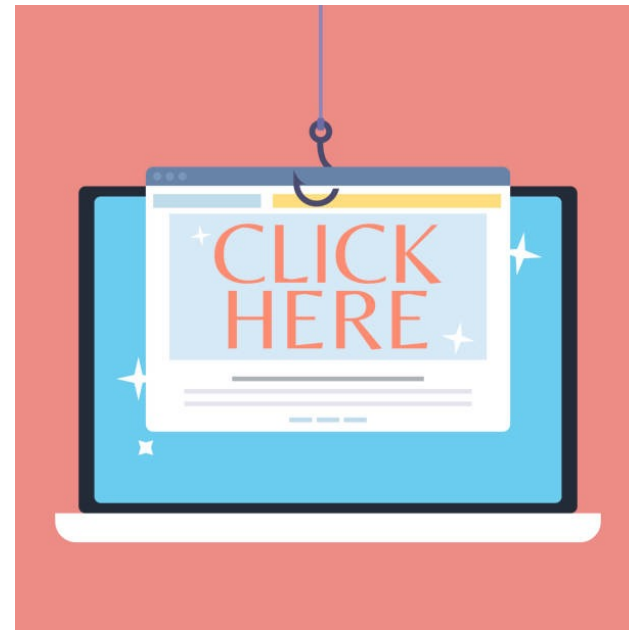
- ▶ Use parental controls'
- ▶ Don't download music files from free sites.



**PIRACY  
IS THEFT**

# Fake advertisements

- ▶ Fake advertisements is defined as the act of publishing, transmitting, or otherwise publicly circulating an advertisement containing a false, misleading.
- ▶ Ways to prevent fake advertisements:
  - ▶ Don't leave out crucial facts
  - ▶ Don't make contradictory promises



# Hacking

- ▶ Hacking is where an unauthorised person uses a network, internet or modem connection to gain access past security passwords or other security to see data stored on another computer.
- ▶ Hackers can hack and misuse your personal information.
- ▶ An example of computer hacking can be: using a password cracking algorithm to gain access to a computer system.



```
root@kali:~# nmap -sV -O 192.168.1.10
Starting Nmap 6.47 ( http://nmap.org ) at 2015-01-30 18:19 EST
Stats: 0:02:09 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 95.65% done; ETC: 18:22 (0:00:05 remaining)
Stats: 0:02:14 elapsed; 0 hosts completed (1 up), 1 undergoing Service Scan
Service scan Timing: About 95.65% done; ETC: 18:22 (0:00:05 remaining)
Nmap scan report for 192.168.1.10
Host is up (0.00042s latency).
Not shown: 977 closed ports
PORT      STATE SERVICE      VERSION
21/tcp    open  ftp          vsftpd 2.3.4
22/tcp    open  ssh          OpenSSH 4.7p1 Debian Buntul (protocol 2.0)
23/tcp    open  telnet       Linux telnetd
25/tcp    open  smtp         Postfix smtpd
53/tcp    open  domain       ISC BIND 9.4.2
80/tcp    open  http         Apache httpd 2.2.0 ((Ubuntu) DAV/2)
111/tcp   open  rpcbind      2 (RPC #100000)
139/tcp   open  netbios-ssn Samba smbd 3.X (workgroup: WORKGROUP)
445/tcp   open  netbios-ssn Samba smbd 3.X (workgroup: WORKGROUP)
512/tcp   open  exec
513/tcp   open  login?
514/tcp   open  shell?
1099/tcp  open  rmiregistry  GNU Classpath grmiregistry
1524/tcp  open  shell        Metasploitable root shell
2049/tcp  open  nfs          2.4 (RPC #100003)
2121/tcp  open  ftp          ProFTPD 1.3.1
3306/tcp  open  mysql        MySQL 5.0.51a-Subuntu5
5432/tcp  open  postgresql   PostgreSQL DB 8.3.0 - 8.3.7
5900/tcp  open  vnc          VNC (protocol 3.3)
6000/tcp  open  x11          (access denied)
```





# Identity theft

- ▶ It is an easy platform through which criminals using malware can have all our personal information delivered to them.
- ▶ On social media, like Facebook, it is hard to know for sure whether everyone you add to your friend list is a real account holder.
- ▶ Example:
- ▶ Stolen Checks. If you have had checks stolen or bank accounts set up fraudulently, report it to the check verification companies.



# Online negativity

- ▶ Trolling - intentionally provoking or upsetting people online. Doxing - posting someone's personal information online without their consent.
- ▶ Online negativity can affect someone's opinion or perspective of you, and ruin friendships and romantic relationships.
- ▶ Only 18% suggested that they'd leave a constructive comment, while 17% said they'd report them. Fortunately just 7% said they'd leave a negative comment.



# Wrong or Outdated Information

- ▶ The old or outdated information stays forever and is not deleted from the internet and they are called as the internet garbage.
- ▶ What to do then?
- ▶ Keep searching for updated information and don't forget to check facts!!!





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