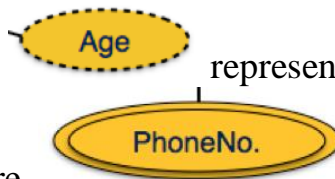1. What is information?
2. Describe synchronous communication.
3. Give an example of synchronous communication.
4. Describe asynchronous communication.
5. Give an example of asynchronous communication?
6. In a system, describe the environment.
7. In a system, describe the border.
8. In a system, describe the interface.
9. In a system, describe links.
10. Describe a system.
11. In a system, describe the interface.
12. Describe system architecture.
13. Describe machine language.
14. Describe the purpose of programming languages.
15. Describe what a compiler does.
16. What is software?
17. What is software for the system?
18. Describe an embedded operating system.
19. Describe a real-time operating system
20. What is a computer program?
21. What is a software?
22. How does an interpreter help programmers?
23. What does a compiler do?
24. What is an Operating System?
25. What does the acronym of HCI mean?
26. Describe goal of HCI.
27. Describe why the study of HCI is important.
28. Describe why computers should be easy to use.
29. Give an example of a virtual interface on a computer.
30. Give an example of a physical interface on a smartphone.
31. Describe HCI.
32. Describe how user interact with a computer.
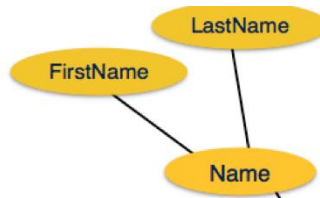33. What is the goal of HCI?

34. What does this picture **Student** represent in a data-relationship model?

35. What does this picture **performs** represent in a data-relationship model?

36. What does this picture **Age** represent in a data-relationship model?

37. What does this picture **PhoneNo.** represent in a data-relationship model?

38. What does this picture **LastName FirstName Name** represent in a data-relationship model?

39. Describe the Data Model.
40. Describe the Entity-Relationship Model.
41. Entity-Relationship Model: Describe an "Entity" and give an example.
42. Entity-Relationship Model: Describe "Attributes" and give an example.
43. Describe a one-to-one relationship.
44. Describe a one-to-many relationship.
45. Describe a many-to-one relationship.
46. Describe a many-to-many relationship.
47. What came first, the internet or the web?
48. In what year was the first website launched?
49. Describe a network.
50. What is the scale of a PAN?
51. What is the scale of a LAN?
52. What is the scale of a MAN?
53. What is the scale of a WAN?

02

1. What scale of a network is the internet?
2. Describe a computer network.
3. Give examples of applications on a network.
4. Describe the "transport" layer of the network model.
5. Describe what a router does on a network.
6. Describe what the physical components on a network do.
7. Describe and give an example of a "PAN (Personal Area Network)".
8. Describe and give an example of a "LAN (Local Area Network)".
9. Describe and give an example of a "MAN (Metropolitan Area Network)"
10. Describe and give an example of a "WAN (Wide Area Network)".
11. Describe the cybercrimes category of "Computer as a Target".
12. Why do cybercriminals target anyone?
13. What makes the person an easy target of cybercrime?

14. What do easy targets of cybercrime do?
15. Describe is cyberspace.
16. Describe and give an example of cybercrime.
17. Describe Cybersecurity.
18. Describe how a cybercriminal uses computer to target an individual.
19. Describe how a cybercriminal targets computer or system to commit a crime.
20. Describe how a cybercriminal uses a computer to sell illicit goods.
21. Describe malware.
22. Describe how malware can infect a computer.
23. Describe how domain names work.
24. Explain what an IP address is?
25. Describe a URL and list the different parts.
26. Describe how an ISP connects a user to the internet.
27. Describe how a registrar connects websites to the internet.
28. Describe the purpose of hypertext.
29. Describe the purpose of web browsers.
30. Describe DNS (domain name service).
31. Describe the different between IPv4 and IPv6.
32. What is HTML?
33. Describe Infrastructure of a Service.
34. Describe Platform of a Service.
35. Describe and give examples of Software of a Service.
36. Give examples of the internet infrastructure.
37. Give examples of platforms on the internet.
38. Give example of software running on the internet.
39. Describe media.
40. Describe multi-media.
41. Describe digital audio.
42. Describe digital text or font.
43. Describe a picture.
44. What are the three base colors?
45. What is an example digital audio?
46. What is a common image file format?
47. PNG is what type of media?
48. TXT is what type of media?
49. WAV is what type of media?
50. Describe the term CODEC.
51. Describe a video container.