

INTERNATIONAL INDIAN SCHOOL BURAI DAH-[2026-2027]
8TH COMPUTER SCIENCE WORKSHEET -1

1. NIC card provides an interconnection between the network and the computers.
2. Hub is a network device that connects computers and computing devices to exchange data between them.
3. Router connects different networks together.
4. A modem converts digital data to analogue signals (and vice versa) for Internet access over telephone or cable lines.
5. Twisted pair cables were invented by Alexander Graham Bell in 1881.
6. UTP cables are the most commonly used in computer networking.
7. Point-to-Point topology is a type of network connection where two devices are directly linked to each other.
8. In Star topology all devices are connected to a central device, which acts a hub or switch.
9. In Ring topology all nodes in the network are connected in a circular fashion.
10. Press F5 to execute Python code.
11. The 'in' operator is used to check if a specific value exists within a sequence.
12. The 'in' operator evaluates to True if the value is found in the sequence and False otherwise
13. An infinite loop occurs when the condition of the loop never becomes false, causing the loop to run indefinitely.
14. The range() function generates a sequence of numbers used in for loops.

Expand the following:

1. NIC-Network Interface Card
2. RJ45-Registered Jack 45
3. Wi-Fi-Wireless Fidelity
4. PTP-Point To Point Topology
5. DLP-Data Loss Prevention

Answer the following:

1. What is Cyber security? (refer page :118)
2. How can you stay safe online? (refer page 118)
3. What is the difference between Intranet and Internet?(refer page 109)
4. Write the syntax of For Loop.(refer page 65)
5. Write a program to print your name 5 times using a for loop with the range() function.(refer pg-66)
6. Differentiate between For Else and While Else Statement with an example.(refer pg-68,69)
7. What are the two types of functions in Python?(refer page-75)
8. Name any 4 common errors.(refer page-76)
