

INTERNATIONAL INDIAN SCHOOL BURAI DAH

Worksheet for the Academic Year 2025-26

CLASS:VI SUBJECT: Computer Science

[CHAPTERS- 4,5]

1. **NOT** is a unary operator.
2. **AND** and **OR** operators apply to two or more operands.
3. If all the operands are TRUE, the output of AND is **TRUE**.
4. AND is implemented using **"&&"** symbol.
5. If all the operands are FALSE, the output of OR is **FALSE**.
6. The OR operator is denoted by **"||"** symbol.
7. The purpose of **NOT** operator is that it reverses the input to it.
8. If the value of the condition is True , the NOT operator gives the result **False**.
9. The NOT operator is denoted by **"!"** symbol.
10. **Relational operators** are used to compare values of two expressions.
11. **Nested conditional** statements have " if" or "if else" encapsulated within other if or if else's.
12. If a=5 and b=10 ,find the value of :

- | | |
|---------|-------------------|
| a) a!=b | d) a<b |
| b) a>=b | e) b!=0 |
| c) a==b | f) b>=a and b==10 |

[ans: a) True b)False c) False d) True e) True f) False

13. The process of repeatedly executing a block of statements is known as **looping**.
14. **For loop** is used if you know exact number of times you wish to repeat.
15. Loop within a loop is called as **Nested Loop**.
16. Using the **Break** statement, you can exit the innermost loop.
17. Name the different types of loops.

Ans. 1.for loop
2.while loop
3.nested loop

18. Write a program to print even numbers from 12 to 88.

```
i=12
while i<88:
    print(i)
    i=i+2
```

19. Write a program to print the following pattern.

```
*
**
***
****
*****

for i in range(0,6):
    for j in range(i):
        print('*',end='')
    print()
```