

# **INTERNATIONAL INDIAN SCHOOL BURAI DAH**

Worksheet for the Academic Year 2025-26

**CLASS:VIII      SUBJECT: Computer Science**

**[CHAPTERS- 3,4,5]**

1. The functions defined by the user while writing a program are called **user-defined functions**.
2. Function header always ends with a **colon**.
3. An **argument** is the value passed to a function which is received by the function as parameter.
4. The main idea behind using a function in your code is to keep the code **"DRY"**.
5. **What are the operations that can be performed on Arrays?**
  - a) Traversal
  - b) Searching
  - c) Insertion
  - d) Deletion
  - e) Sorting
  - f) Merging
6. **Define Sorting.**

Arranging the elements in some logical order is called sorting.
7. Combining the elements of two arrays into single array is called **Merging**.
8. **Deletion** is removing an existing element
9. Accessing each element exactly once in order to process it is known as **Traversing**.
10. **Arrays** are always static and fixed in length.
11. If array length is 5, first index **is 0** and last index is **4**.
12. **Sorting** means arranging the elements in either ascending or descending order.
13. **Searching** means finding the location of a given element.
14. **Write an algorithm to make noodles.(refer page :79)**
15. **Write an algorithm to find the area of rectangle(refer page :79)**
16. **Write an algorithm to find the smaller of two distinct numbers.(refer page:80)**
17. **What are the three ways of representing algorithm?**
  - a) Flowchart
  - b) Pseudocode
  - c) Decision Tree
18. **Draw a flowchart to find area of a square. (refer page 81)**
19. **Draw a flowchart to calculate simple interest. (refer page 81)**
20. **Draw a flowchart to check whether it is profit or loss (refer page 82)**