



*Resource Software Solution*

*Dart Language*

# **Training Assignments**

## Dart Basic

### Objectives:

- » Understand basic concept about variables and data Types.
- » Working with control flows: if, for, do..while, while.
- » Working with functions.

### Problem 01:

Requirement: Write a program to evaluate the net salary of an employee given the following constraints:

- Basic salary : \$ 12000
- DA : 12% of Basic salary
- HRA : \$150
- TA : \$120
- Others : \$450
- Tax cuts – a) PF :14% of Basic salary and b) IT: 15% of Basic salary
- Net Salary = Basic Salary + DA + HRA + TA + Others – (PF + IT)

### Problem 02:

Requirement: Montek company gives allowances to its employees depending on their grade as follows:

Grade	Allowance
A	300
B	250
Others	100

Calculate the salary at the end of the month. (Accept Salary and Grade from the user)

### Problem 03:

Requirement: Write a program to evaluate the Grade of a student for the following constraints:

- If marks > 75 – grade A
- If 60 < marks < 75 – grade B
- If 45 < marks<60 – grade C
- If 35 < marks<45 - grade D
- If marks < 35 – grade E

**Problem 04:**

Requirement: Accept two numbers num1 and num2. Find the sum of all odd numbers between the two numbers entered.

**Problem 05:**

Requirement: Write a program to print a multiplication table for a given number.

**Problem 06:**

Requirement: Write a Dart program to find the minimum and the maximum value in an array.

**Problem 07:**

Requirement: Write a Dart program to find the area and perimeter of a circle using function.

**Problem 08:**

Requirement: Write a Dart program to calculate the factorial of an integer using function.