DAY 1 ASSIGNMENT

Date:5-6-2025

Develop a program to calculate the shipping cost based on the

the destination zone and the weight of the package

void main() {

int weight = 55;

String address = 'XYZ';

if (address == 'XYZ') {

print("The destination zone is XYZ having the shipping cost of 5 dollars per kilometer and the shipping cost is \$${weight \* 5}");

} else if (address == 'ABC') {

print("The destination zone is ABC having the shipping cost of 7 dollars per kilometer and the shipping cost is \$${weight \* 7}");

} else if (address == 'PQR') {

print("The destination zone is PQR having the shipping cost of 10 dollars per kilometer and the shipping cost is \$${weight \* 10}");

} else {

print("Error!! The destination is not found.");

}

}

**Output**:

The destination zone is XYZ having the shipping cost of 5 dollars per kilometer and the shipping cost is $275

2.Suppose , you often go to restaurant with friends and you have to split the bill. Formula=(total bill amount)/number of people.

void main() {

int totalBillAmount = 4500;

int numberOfPeople = 4;

double amountPerPerson = totalBillAmount / numberOfPeople;

print("The amount which each person needs to pay is \$${amountPerPerson.toStringAsFixed(2)}");

}

**Output**:

The amount which each person needs to pay is $1125.00

3.Take list for example: a=[1,1,2,3,5,8,13,21,34,55,89] and write a program that prints out all the elements of the list are less than 5.

void main() {

List<int> a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89];

print("Printing numbers less than 5:");

for (int number in a) {

if (number < 5) {

print(number);

}

}

}

Sample Output:

Printing numbers less than 5:

1

1

2

3

4.Write a Dart program which accepts a seq uence of comma-separated numbers from the users and generates the list and tuple with those numbers.(Sample data: 3,5,7,23)

import 'dart:io';

void main() {

stdout.write("Enter comma-separated numbers (e.g., 3,5,7,23): ");

String? input = stdin.readLineSync();

if (input != null && input.isNotEmpty) {

List<int> numberList = input

.split(',')

.map((e) => int.parse(e.trim()))

.toList();

print("List: $numberList");

var tuple = List.unmodifiable(numberList);

print("Tuple (immutable list): $tuple");

}

else {

print("No input provided.");

}

}

**Sample Run:**

Enter comma-separated numbers (e.g., 3,5,7,23): 3,5,7,23

List: [3, 5, 7, 23]

Tuple (immutable list): [3, 5, 7, 23]