Basic Dart Practice Questions – Solutions

1. Write a program to print your name in Dart.

```
void main() { print("My name is Biplob Debnath"); }
```

2. Write a program to print Hello I am "John Doe" and Hello I'am "John Doe" with single and double quotes.

```
void main() { print('Hello I am "John Doe"'); print("Hello I'm 'John Doe'"); }
```

3. Declare constant type of int set value 7.

```
void main() { const int num = 7; print(num); }
```

4. Write a program in Dart that finds simple interest. Formula = (p * t * r) / 100

```
void main() { double p = 1000, t = 3, r = 5; double si = (p * t * r) / 100;
print("Simple Interest = $si"); }
```

5. Write a program to print a square of a number using user input.

```
import 'dart:io'; void main() { stdout.write("Enter a number: "); int num =
int.parse(stdin.readLineSync()!); print("Square of $num is ${num * num}"); }
```

6. Write a program to print full name of a from first name and last name using user input.

```
import 'dart:io'; void main() { stdout.write("Enter first name: "); String first =
stdin.readLineSync()!; stdout.write("Enter last name: "); String last =
stdin.readLineSync()!; print("Full name: $first $last"); }
```

7. Write a program to find quotient and remainder of two integers.

```
void main() { int a = 20, b = 3; print("Quotient: ${a ~/ b}"); print("Remainder: ${a
% b}"); }
```

8. Write a program to swap two numbers.

```
void main() { int a = 10, b = 20; print("Before swap: a = $a, b = $b"); int temp = a;
a = b; b = temp; print("After swap: a = $a, b = $b"); }
```

9. Write a program in Dart to remove all whitespaces from String.

```
void main() { String text = "Hello World Dart "; String result = text.replaceAll('
', ''); print(result); }
```

10. Write a Dart program to convert String to int.

```
void main() { String numStr = "123"; int num = int.parse(numStr); print("Converted
number: $num"); }
```

11. Suppose you often go to restaurant with friends and you have to split amount of bill. Write a program to calculate split amount of bill. Formula = (total bill amount) / (number of people)

```
void main() { double totalBill = 500; int people = 5; double split = totalBill /
people; print("Each person should pay: $split"); }
```

12. Suppose your distance to office from home is 25 km and you travel 40 km per hour. Write a program to calculate time taken to reach office in minutes. Formula = (distance) / (speed)

```
void main() { double distance = 25, speed = 40; double timeHours = distance / speed;
double timeMinutes = timeHours * 60; print("Time to reach office: $timeMinutes
minutes"); }
```