**Assignmenet 01**

Course: Flutter

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**Instructor:** Mr. Bilal

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| **1** | **Queation 01**  import 'dart:io';  import 'dart:math';  void main() {    int lenght;    int breath;    print("Enter Length");    lenght = int.parse(stdin.readLineSync()!);    print("Enter Breath");    breath = int.parse(stdin.readLineSync()!);    if (lenght == breath) {      print("It is Square");    } else {      print("Is is Rectangle");    }  } | **Output** |
| **2** | **Question 02**  import 'dart:io';  void main() {    int Age1 = int.parse(stdin.readLineSync()!);    int Age2 = int.parse(stdin.readLineSync()!);    if (Age1 < Age2) {      print("it is Youngest");    } else {      print("it is oldest");    }  } | **Output** |
| **3** | **Question 03**  void main() {    int Number\_of\_classes\_held = 16;    int Number\_of\_classes\_attended = 10;    var percentage = (Number\_of\_classes\_attended \* 100 / Number\_of\_classes\_held);    print(percentage);    if (percentage >= 75) {      print("student is allowed to sit in exam");    } else {      print("student is Not allowed to sit in exam");    }  } | **Output** |
| **4** | **Question 04**  import 'dart:io';  void main() {    print("Enter a Temperature");    int temp = int.parse(stdin.readLineSync()!);    double Far = (temp) \* 9 / 5 + 32;    print("Temperature $temp convert into Fahrenheit is  $Far");  } | **Output** |
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| **5** | **Question 05**  import 'dart:io';  void main() {    print("enter Temperature");    var temp = int.parse(stdin.readLineSync()!);    if (temp < 0) {      print(" Freezing weather");    } else if (temp > 0 && temp <= 10) {      print("Very Cold weather");    } else if (temp > 10 && temp <= 20) {      print("Cold weathe");    } else if (temp > 20 && temp <= 30) {      print("Normal in Temp");    } else if (temp > 30 && temp <= 40) {      print("its  hot");    } else {      print(" Its Very Hot");    } | **Output** |

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| 6 | **Question 06**  import 'dart:io';  void main() {    var vowel = stdin.readLineSync();    if (vowel == "A" ||        vowel == "a" || vowel == "E" ||        vowel == "e" || vowel == "I" ||        vowel == "i" || vowel == "O" ||        vowel == "o" || vowel == "U" ||        vowel == "u") {      print("It is Vowel");    } else {      print("Its consonant");    }  } | Output |
| 7 | **Question 07**  void main() {    num chemMarks = 88;    num BioMarks = 67;    num mathMaks = 76;    num urduMarks = 70;    num engMarks = 50;    String StudentName = "Chandar Kumar ";    var StudentRolNum = 41810;    String Class = "8th";    int totalMarks = 500;    print("Name: $StudentName \nRoll Number: $StudentRolNum \nClass: $Class");    var ObtainMarks = chemMarks + BioMarks + mathMaks + urduMarks + engMarks;    print("Obtain Marks is: $ObtainMarks");    var percentage = (ObtainMarks \* 100) / totalMarks;    print("Total percentage is: $percentage");    print("Grade is: ");    if (percentage >= 50 && percentage <= 60) {      print("D");    } else if (percentage >= 60 && percentage <= 70) {      print("C");    } else if (percentage >= 70 && percentage <= 80) {      print("B");    } else if (percentage >= 80 && percentage <= 100) {      print("A");    } else {      print("Fail");    }  } | Output |
| 8 | **Question 08**  import 'dart:io';  void main() {    int number = int.parse(stdin.readLineSync()!);    if (number % 2 == 0) {      print("it is even");    } else {      print("it is odd"); | Output |
| 9 | **Question 09**  import 'dart:io';  void main() {    int number = int.parse(stdin.readLineSync()!);    if (number % 2 == 0) {      print("$number is an Even number.");    } else {      print("it is oddd");    }    if (number % 5 == 0) {        print("$number is divisible by 5.");      } else {        print("$number is not divisible by 5.");      }    if (number % 7 == 0) {      print("$number is divisible by 7.");    } else {      print("$number is not divisible by 7.");    }  } | Output |
| 10  a | **Question 10**  import 'dart:io';  void main() {    print("enter 1st Number");    int number1 = int.parse(stdin.readLineSync()!);    print("enter 2st Number");    int number2 = int.parse(stdin.readLineSync()!);    print("enter 3st Number");    int number3 = int.parse(stdin.readLineSync()!);    int  highest = number1;    int lowest = number1;    if (number2 > highest) {      highest = number2;    } else if (number3 > highest) {      highest = number3;    } else if (number2 < lowest) {      lowest = number2;    } else if (number3 < lowest) {      lowest = number3;    }    print("Greater is $highest");    print("Lowest is $lowest");  } | Output |