**Assignment No 4**

**Question NO: 2)**To make a function that take a number as parameter,

// and print the table of that number.

Answer:

**void main() {**

**table(6);**

**}**

**void table(i) {**

**for (var b = 1; b <= 10; b++) {**

**print("$i x $b = ${i \* b}");**

**}**

**}**

**Question NO: 3)List lst = [2,4,6,8,9];Make a function that takes a number as parameter and divide that parameter to every element**

**in the list**

Answer:

**void main() {**

**randomnumber(2);**

**}**

**randomnumber(num n){**

**List lst = [2,4,6,8,9];**

**for (var i in lst){**

**print(i/n);**

**}**

**}**

**Question NO: 4)** **Make a function for printing mark sheet then Make a list of at-least 5 names and another list of their marks, and print the mark sheet of all of them**.

Answer:

**void main() {**

**List students = ["Asad", "Rizwan", "Ibad", "Shahryar", "Osama"];**

**List marks = [400, 350, 400, 390, 340];**

**Marksheet(students, marks);**

**}**

**void Marksheet(student, marks){**

**print ('\t\tMarksheet');**

**int total = 500;**

**for (int i = 0; i < student.length; i++) {**

**num per = marks[i] / total \* 100;**

**print("\n ${student[i]} secured a total of ${marks[i]} marks and $per %");**

**}**

**}**

**Question NO: 5)Make a function in class and then call it outside class**

Answer:

**void main() {**

**var obj = abc();**

**obj.welcometodarts();**

**}**

**class abc {**

**void welcometodarts() {**

**print("Welcome To Darts");**

**}**

**}**

**Question NO: 6)print your name in a sentence using classes**

Answer:

**void main() {**

**var obj = Name();**

**print(obj.name);**

**}**

**class Name {**

**var name = "My name is Asad Ullah Wahid";**

**}**

**Question NO: 7)Make a constructor that requires your name, age, education and then print that.**

Answer:

**void main() {**

**var obj = BioData(name: "Asad", age: 21, edu: "Undergraduate");**

**}**

**class BioData {**

**//Properties Definition**

**String name;**

**int age;**

**String edu;**

**//Constructor**

**BioData({required this.name, required this.age, required this.edu}) {**

**print("My name: $name ");**

**print("I am: $age years old");**

**print("My education: $edu ");**

**}**

**}**

**Question NO: 8)** **Write a Code using inheritance?**

Answer:

**void main (){**

**Cat mycat = Cat();**

**mycat.run();**

**mycat.breath();**

**}**

**class Animal {**

**void breath(){**

**print ('I am breathing fresh air');**

**}**

**}**

**class Cat extends Animal{**

**late int legs;**

**void run(){**

**print ('I am running on my legs');**

**print ('I am brown in color');**

**}**

**}**