//This pdf contains only question 1,2,10. Other questions are in google form links. Submit your answers there

Q1- WAP to show the use of object passing in function. Create a student class.

1)Create three objects: obj1(1,99,2), obj2(2,1,98), obj3(0,0,0);

2)Create a function addition.

3)This function will add marks of obj1 and obj2 and store in obj3. Put rollnum=3 in obj3.

4)This function should not return any object.

5)After calling the function print details of obj3 to check whether sum of marks of obj1 and obj2 are copied into obj3 or not.

Q2- WAP to show the use of Friend Function. Create three classes subject1, subject2 and total.

subject1 and **subject2** will have three variables - int rollnum, int theory and int practical.

total will have three varialbes int rollnum, int theoryTotal, int practicalTotal.

Create these objects:

 s1 = (1,10,80) for the class subject1 ,

s2 = (1,5,90) for the class subject2

t1 = (1,0,0) for the class total.

 Create a friend function "findsum" in each of these classes.

1)Pass objects s1 and s2 to this friend function.

2)Inside findsum function create a "temp" object of class total.

3)Add marks of s1 and s2 and store in this temp object. Put rollnum=1 in this temp object.

4)Friend function should return this temp object.

5)assign this returned object to t1 in main function.

function declaration :

friend total fundsum(subject1 po1, subject2 po2);

//this function return total so total is written after friend

function call should be:

t1=findsum(s1,s2);

Q10) Create a class library/lib. It should have two variables – author and title. Use string data type.

It should have these functions:

Constructor to assign values.

Disp() to print details of each object.

Findbyauthor() to find whether a given author is available in lib or not.

Findbybook() to find whether a given book is available in lib or not.

Create an array of 5 objects and assign values to these objects.

Take two inputs from user – authorname and titlename.

Check whether these books are availabe in lib or not by using findbyauthor() and findbybook() functions.