**Assignment 8**

**Template :**

**Task 1:**

Create function take 2 params of any type then return the max (Template)

**Task 2:**

Create function take 2 params of any type then swap them and pass data by parameters (Template)

**Task 3(Polymorphism):**

A – Create class Vehicle which contains:

* Vehicle model string
* Registration number string
* Vehicle speed (km/hour) integer
* Fuel capacity (liters) double
* Fuel consumption (liter/km) double
* Parameterized constructor
* **A pure virtual method display() method that will display all the information of a vehicle.**

B - Create Class Truck which will inherit from Vehicle:

* Data Member: Cargo weight limit (Kilo grams).
* Parameterized constructor.
* Setter and getter.
* **A display() method which will override parent method and print all info.**

C - Create Class Bus which will inherit from Vehicle:

* Data member: Num of passengers int.
* Parameterized constructor.
* Setter and getter.
* **A display() method which will override parent method and print all info.**