Evidence 01

1. Create a program that reads a sequence of integer until a negative integer is input, and then prints the sum of the positive integers.
2. Find out factorial value of 5.
3.

   - Create a super class called Vehicle. The Vehicle class has the following fields and methods. int speed; double regularPrice; String color; double getSalePrice();

   - Create a sub class of Vehicle class and name it as Truck. The Truck class has the following fields and methods.
     - int weight;
     - Now override the double getSalePrice() method from its super class and apply the following logic – if weight>2000, 10% discount. Otherwise no discount on regularPrice.

4.

a. Create a superclass called Product. The Product class has the following fields and methods:

String name;

Double regularPrice;

Product(String name, double regularPrice);

double getSalePrice();

b. Create a subclass of Product class and name it as ElectronicProduct. The ElectronicProduct class has the following fields and methods:

int warrantyPeriod;

Override the double getSalePrice() method from its superclass and apply the following logic:

If warrantyPeriod is greater than 1 year, apply a 15% discount on regularPrice. Otherwise, apply no discount.

5. **a.** Create a superclass called Animal. The Animal class has the following fields and methods:

   String name;

   int age;

   Animal(String name, int age);

   void makeSound();

   b. Create a subclass of Animal class and name it as Dog. The Dog class has the following fields and methods:

   String breed;

   Override the void makeSound() method from its superclass and make it print "Woof".