1.1

a.

b.

c.

1.2

const getDiscountedProductAveragePrice = (inventory: Product[]): number => {

const disInv : number[] = inventory.filter(product=>product.discounted).map(product => price);

return disInv.reduce((acc,num)=>acc+num,0)/disInv.leanthlength;

}

1.3

a. (x : T[] , y : (T)=>Boolean): Boolean =>x. some(y)

b.

c. (x : Boolean , y : T[]): T => x ? y[0] : y[1]

d. (f : (T1)=>T2 , g : (number)=>T1): ((T1)=>T2,(number)=>T1)=>T2 => x:number => f(g(x+1)