Q1 Create a Class Product having private attribute

Product id, product name, product rate and stock

Now create following functions to process products

1. GetProducts()
2. ShowProducts()
3. SearchProduct By Id, this function must be static

it means that u have to search the product in single line

Like Product.search(ListOfProduct,200)

If product exist within an array it will return the index of product other wise it will return -1

Q2 Create a Class India which contain single private attribute cityname

Now create following functions to process city of india

1. GetCity()
2. PutCity()
3. SearchCity(Char \*Pat,Char Status)

Status represent s for start, and e for end

This function will return all the cities according to pattern & status

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Q3 Create a Class India which contain s private attribute statename and cityname

Now create following functions to process city of india

1. GetCity()
2. PutCity()
3. SearchCityByState(Char \*state)

This function will return all the cities according state

Q4. Create a Class Students having private members

Rollno, name, aggregate percentage,high secondry and highschool percentage,backlogany(yes & no) and age

Now create following functions to find out those students who are eligible for campus placement according to the criteria given by the companies

1)GetStudents 2)PutStudents 3)Search