Day 16 JA111 Assignment

Q1) Create a class Product bean class with the following fields:

- productId: Integer
- productName: String
- productPrice: double

Create a Main class with main method and inside this main method do the following things:

- create 4 Product class object by taking input from the user using Scanner class
- ask the user to enter the choice :
  - 1 for sorting the product according to the productPrice
  - 2 for sorting the product according to the productName
  - 3 for sorting the product according to the productId
  - If the user will supply any invalid number then sort the product with productId by default

Display the sorted product details accordingly

Q2)Create a java bean class Employee with following fields:

- empId: integer
- empName: String
- salary : double

Create a Main class with the main method and do the following things inside the main method:

- Create 4 Employee class object by taking details from the user using the Scanner class
- Add all 4 Employee object inside the TreeSet class (Employee should be sorted according to the salary)

- Print all 4 Employee Details one by one from the TreeSet object

Q3) Explain the difference between comparable and comparator.