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POST TEST PBO

1. Kode *Java*:
2. Class Person

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| --- |
| public class Person {    public static int count = 0;  private String name;  private String number;    public Person(){  name = "Unknown";  number = "+6285972700144";  count++;  }    public Person(String name, String number){  this.name = name;  this.number = number;  count++;  }    public String getName(){  return name;  }    public void setName(String newName){  name = newName;  }    public void getInfo(){  System.out.println("Name: "+name);  System.out.println("Number: "+number);  }  } |

1. Abstract Class Publication

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| --- |
| import java.util.ArrayList;  public abstract class Publication {    public static int count = 0;  protected String title;  protected int copies = 0;  protected ArrayList<Person> borrowers = new ArrayList<>();    public Publication(String title){  this.title = title;  count++;  }    public void setBorrower(Person borrower){  borrowers.add(borrower);  copies++;  }    public abstract void display();  } |

1. Class Music

|  |
| --- |
| public class Music extends Publication {    private String genre;    public Music(String title, String genre){  super(title);  this.genre = genre;  }    @Override  public void display(){  System.out.println("Terdapat "+copies  +" peminjam \""+title+"("+genre+")\" yaitu: ");  for(Person x: borrowers){  System.out.println(x.getName());  }  }  } |

1. Class Video

|  |
| --- |
| public class Video extends Publication {    private String format;    public Video(String title, String format){  super(title);  this.format = format;  }    @Override  public void display(){  System.out.println("Terdapat "+copies  +" peminjam \""+title+format+"\" yaitu: ");  for(Person x: borrowers){  System.out.println(x.getName());  }  }  } |

1. Class PostTest (Main)

|  |
| --- |
| public class PostTest {  public static void main(String[] args) {    Music peterpan = new Music("Koleksi Lagu Peterpan", "Pop");  peterpan.setBorrower(new Person("Haidar", "081907098765"));  peterpan.setBorrower(new Person("Mae", "081917098765"));  peterpan.display();  System.out.println();  Video ngoding = new Video("Belajar Ngoding", ".mp4");  Video maumere = new Video("Senam Maumere", ".3gp");  maumere.setBorrower(new Person("Tipong", "081907099765"));  maumere.setBorrower(new Person("Cita", "081907097765"));  maumere.setBorrower(new Person("Desy", "081907098865"));  maumere.display();  System.out.println();  System.out.println("Jumlah publikasi: "+Publication.count);  System.out.println("Jumlah peminjam: "+Person.count);  }  } |

Hasil *run*:

