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| abstract class Product |
| private double price  private String[]tags  private String brand  private String name  public Product(double newPrice, String[]newTags, StringnewBrand, String newName)  int getPrice()  void setPrice(int)  String [] getTags()  void setTags(String [])  String getBrand()  void setBrand(String)  String getName()  void setName(String)  void printTags()  abstract changeProductInfo()  abstract printSpecifications()  String toString() |

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| Laptop Class extends Product |
| private double screenSize  private int storage  private double batteryLife  private double processorSpeed  private int ram  public Laptop(double newPrice, String[]newTags, String newBrand, String newName,double screenSize, int storage, double batteryLife, double processorSpeed, int ram)  double getScreenSize()  void setScreenSize(double)  int getStorage()  void setStorage(int)  double getBatteryLife()  void setBatteryLife(double)  double getProcessorSpeed()  void setProcessorSpeed(double)  void changeProductInfo()  String toString() |

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| Computer Class extends Product |
| private int storage  private double processorSpeed  private int ram  public Computer (double, String[], String, String, int, double, int)  int getStorage()  void setStorage(int)  double getProcessorSpeed()  void setProcessorSpeed(double)  void changeProductInfo()  String toString() |

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| --- |
| Keyboard Class extends Product |
| private boolean wireless  private int cordLengthRange  private boolean design  public Keyboard(boolean,int,boolean)  boolean getWireless()  void setWireless(boolean)  int getCordLengthRange()  void setCordLengthRange(int)  boolean getDesign()  void setDesign(boolean)  void changeProductInfo()  void printSpecifications()  String toString() |

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| Printer Class extends Product |
| private String type  private Boolean colourType  private double height  private double width  private double length  public Printer(double, String[], String, String,boolean, double, double, double )  void changeProductInfo()  void printSpecifications()  String toString() |

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| Mouse Class extends Product |
| private String type  private int cordLengthRange  private int dpi  private int buttons  private double width  private double height  private double length  public class Mouse( String type, int, int , int, double, double , double )  void changeProductInfo()  void printSpecifications()  String toString() |

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| --- |
| Inventory Class |
| private Product[] Inventory  void loadFile(String)  void saveFile(String)  int searchTags(String)  int searchPrice(double)  int searchName(String)  int searchType()  void sortHighToLow()  void sortLowToHigh()  void sortBrand()  void sortName()  void addNewProduct(String)  void removeNewProduct(String)  void printAllProducts() |

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| ProductRunner Class |
| void main(String[]args) |

