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| Debug 1 (Incorrect) | Debug 1 (Corrected) |
| start  Declarations  string newSalesperson  num newAmount  string usedSalesperson  num usedAmount  string bothAtEof = "N"  string HIGH\_NAME = "ZZZZZ"  InputFile newSales  InputFile usedSales  OutputFile allsales  getReady()  while bothAtEof = "Y"  detailLoop()  endwhile  finish()  stop  getReady()  open newSales "NewSales.dat"  open usedSales "UsedSales.dat"  open allSales "AllSales.dat"  input newSalesperson, newAmount from newSales  if eof then  usedSalesperson = HIGH\_NAME  endif  input usedSalesperson, usedAmount from usedSales  if eof then  usedsalesPerson = HIGH\_NAME  endif  if newSalesperson = HIGH\_NAME AND usedSalesperson = HIGH\_NAME then  bothAtEof = "Y"  endif  return  detailLoop()  if newSalesperson > usedSalesperson then  output usedSalesperson, usedAmount to allSales  input newSalesperson, newAmount from newSales  if eof then  usedSalesperson = HIGH\_NAME  endif  else  output newSalesperson, newAmount to allSales  input usedSalesperson, usedAmount from usedSales  if eof then  newSalesperson = HIGH\_NAME  endif  endif  if newSalesperson = HIGH\_NAME AND usedSalesperson = HIGH\_NAME then  bothAtEof = "Y"  endif  return  finish()  close newSales  close usedSales  close allSales  return | start  Declarations  string newSalesperson  num newAmount  string usedSalesperson  num usedAmount  string bothAtEof = "N"  string HIGH\_NAME = "ZZZZZ"  InputFile newSales  InputFile usedSales  OutputFile allSales  getReady()  while bothAtEof = "N"  detailLoop()  endwhile  finish()  stop  getReady()  open newSales "NewSales.dat"  open usedSales "UsedSales.dat"  open allSales "AllSales.dat"  input newSalesperson, newAmount from newSales  if eof then  newSalesperson = HIGH\_NAME  endif  input usedSalesperson, usedAmount from usedSales  if eof then  usedSalesperson = HIGH\_NAME  endif  if newSalesperson = HIGH\_NAME AND usedSalesperson = HIGH\_NAME then  bothAtEof = "Y"  endif  return  detailLoop()  if newSalesperson > usedSalesperson then  output usedSalesperson, usedAmount to allSales  input usedSalesperson, usedAmount from usedSales  if eof then  usedSalesperson = HIGH\_NAME  endif  else  output newSalesperson, newAmount to allSales  input newSalesperson, newAmount from newSales  if eof then  newSalesperson = HIGH\_NAME  endif  endif  if newSalesperson = HIGH\_NAME AND usedSalesperson = HIGH\_NAME then  bothAtEof = "Y"  endif  return  finish()  close newSales  close usedSales  close allSales  return |
| Debug 2 (Incorrect) | Debug 2 (Corrected) |
| start  Declarations  string roomAName  num roomAValue  string roomBName  num roomBValue  string bothFilesDone = "N"  num HIGH\_VALUE = 999999  InputFile roomAFile  InputFile roomBFile  InputFile mergedFile  getReady()  while bothFilesDone = "N"  detailLoop()  endwhile  allDone()  stop  getReady()  open roomAFile "roomAFile.dat"  open roomBFile "roomBFile.dat"  open mergedFile "mergedFile.dat"  readA()  readB()  checkBoth()  return  readA()  input roomAName, roomAValue from roomAFile  if eof then  roomAValue = HIGH\_VALUE  endif  return  readB()  input roomBName, roomBValue from roomBFile  if eof then  roomBValue = HIGH\_VALUE  endif  return  checkBoth()  if roomAValue = HIGH\_VALUE AND roomBValue = HIGH\_VALUE then  bothFilesDone = "Y"  endif  return  detailLoop()  if roomAValue > roomBValue then  output roomBName, roomBValue to mergedFile  readA()  else  output roomAName, roomAValue to mergedFile  readB()  endif  return    allDone()  close roomAFile  close roomBFile  close mergeFile  return | start  Declarations  string roomAName  num roomAValue  string roomBName  num roomBValue  string bothFilesDone = "N"  num HIGH\_VALUE = 999999  InputFile roomAFile  InputFile roomBFile  OutputFile mergedFile  getReady()  while bothFilesDone = "N"  detailLoop()  endwhile  allDone()  stop  getReady()  open roomAFile "roomAFile.dat"  open roomBFile "roomBFile.dat"  open mergedFile "mergedFile.dat"  readA()  readB()  checkBoth()  return  readA()  if not eof roomAFile then  input roomAName, roomAValue from roomAFile  else  roomAValue = HIGH\_VALUE  roomAName = "" // Reset name to avoid using garbage value  endif  return  readB()  if not eof roomBFile then  input roomBName, roomBValue from roomBFile  else  roomBValue = HIGH\_VALUE  roomBName = "" // Reset name to avoid using garbage value  endif  return  checkBoth()  if roomAValue = HIGH\_VALUE AND roomBValue = HIGH\_VALUE then  bothFilesDone = "Y"  endif  return  detailLoop()  if roomAValue > roomBValue then  output roomAName, roomAValue to mergedFile  readA()  else  output roomBName, roomBValue to mergedFile  readB()  endif  return    allDone()  close roomAFile  close roomBFile  close mergedFile  return |