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| Batch | Implement OOPS using JAVA with Data Structures and Beyond Dec Cohort |
| Student ID | amjathsha |
| Project Title | Virtual Key for Your Repositories |
| Project Submission Date |  |

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| **Source Code:** |
| package LockedMe.com;  import java.io.\*;  import java.util.\*;  public class LockedMe  {    static final String projFilesPath = "C:\\LockedMeFiles";  static final String errMsg = "Some error occured. Please contact admin@lockedme.com";  public static void main(String[] args) {    int ch;  Scanner obj = new Scanner(System.in);  boolean tryAgain = true;    while(tryAgain)  {  try  {  do  {  displayMenu();  System.out.println("\n\t Enter your choice");  ch = Integer.parseInt(obj.nextLine());      switch(ch)  {  case 1:getAllFiles();  break;  case 2:createFile(obj);  break;  case 3:deleteFile(obj);  break;  case 4:searchFiles(obj);  break;  case 5:System.out.println("Good bye!!");  System.exit(0);  break;  default:System.out.println("Invalid option, please enter the correct option");  break;  }  }  while(true);  }    catch (Exception Ex)  {  System.out.println(errMsg);  }  }  }      /\*\*  \* This method is used to display the options  \*/  public static void displayMenu()  {  System.out.println("\n\n\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("\t\t\* \*");  System.out.println("\t\t\* Welcome to LockedMe.com \*");  System.out.println("\t\t\* \*");  System.out.println("\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");  System.out.println("");  System.out.println("");  System.out.println("\t 1. Display all the files");  System.out.println("\t 2. Add a new file");  System.out.println("\t 3. Delete a file");  System.out.println("\t 4. Search a file");  System.out.println("\t 5. Exit");  }    /\*\*  \* This method will retrieve all Files names  \* under the project directory  \*/  public static void getAllFiles()  {  File folder = new File(projFilesPath);  File[] listOfFiles = folder.listFiles();  int n = 1;    System.out.println("\n\nList of files under project folder "+projFilesPath+":\n=====================================================\n");  try  {  if(listOfFiles.length == 0)  System.out.println("No files exist in the directory");  else  {  for(var l:listOfFiles)  {  System.out.println("File "+n+" : "+l.getName());  n++;  }  }  }  catch (Exception Ex)  {  System.out.println(errMsg);  }      }    /\*\*  \* This method will create the files under project folder  \*/  public static void createFile(Scanner obj)  {    try  {  //Scanner obj = new Scanner(System.in);    String ow="Y";    String fileName;  System.out.println("Please enter the file name to be created:");  fileName=obj.nextLine();    File file = new File (projFilesPath+"\\"+ fileName);    if (file.exists())  {  boolean cond = true;  while (cond == true)  {  System.out.println("File exists with the same name," +fileName+" Do you want to proceed (Y/N)");  ow=obj.nextLine();  if (ow.equals("N"))  {  System.out.println("Skipping the file creation due to overlapping file name, good bye");  cond = false;  }  else if (ow.equals("Y"))  {  System.out.println("Will proceed with overwriting the existing file");  cond = false;  }  else  System.out.println("Please enter the correct input");  }  }    if (ow.equals("Y"))  {  int linesCount;  System.out.println("Please enter the line count of the file:");  linesCount=Integer.parseInt(obj.nextLine());  FileWriter myWriter = new FileWriter(projFilesPath+"\\"+ fileName);  for (int i=1;i<=linesCount;i++)  {  System.out.println("Please enter the text of line "+i+" for the new file "+fileName);  myWriter.write(obj.nextLine()+"\n");  }  System.out.println("File created successully");  myWriter.close();  }    }    catch (Exception Ex)  {  System.out.println(errMsg);  }  finally  {    }    }    /\*\*  \* This method will delete the file from the project folder  \* based on the user input  \*/  public static void deleteFile(Scanner obj)  {  String fileName;  String conf;  boolean cond = true;    try  {    System.out.println("\n\nPlease enter the filename to be deleted:");  fileName = obj.nextLine();    File file = new File (projFilesPath+"\\"+ fileName);    if(file.exists())  {  while (cond==true)  {  System.out.println("Not too late, delete "+fileName+" (Y/N)?");  conf=obj.nextLine();  if (conf.equals("N"))  {  System.out.println("Skipping the deletion of file, "+fileName+".U-Turn isnt always bad. good bye");  cond = false;  }  else if (conf.equals("Y"))  {  if(file.delete())  {  System.out.println("Mentioned file, "+fileName+" deleted successfully");  cond = false;  }  }  else  {  System.out.println("Please enter the correct input");  }  }  }  else  {  System.out.println("Not able to delete the mentioned file, "+fileName+" File not found. Check the list of files \n");  getAllFiles();  }  }  catch (Exception Ex)  {  System.out.println(errMsg);  }    }    /\*\*  \* This method is used to search for the file  \* under the project directory  \*/  public static void searchFiles(Scanner obj)  {  String fileName;  File folder = new File(projFilesPath);  File[] listOfFiles = folder.listFiles();    try  {    System.out.println("\n\nPlease enter the filename to be searched:");  fileName = obj.nextLine();  int FNF=1; // This variable is used to set the flag for File not found status    for(var l:listOfFiles)  if(l.getName().equals(fileName))  {  System.out.println("File "+fileName+" is available under project directory");  FNF=0;  break;  }    if(FNF==1)  System.out.println("File "+fileName+" is not available under project directory");    //obj1.close();  //System.out.println("obj closed");    }  catch (Exception Ex)  {  System.out.println(errMsg);  }    }  } |

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| **Screenshots** |
| Option 1: Display All files    Option 2: Add a new file      Option 3: Deleting a file      Option 4: Searching a file      Option 5: Exit |