

# Fix Bugs of the Application : Writeup

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- The following bugs have been fixed by writing the appropriate code:
  1. *searchExpenses()* – the incomplete code of this method has been completed.
  2. *sortExpenses()* – the incomplete code of this method has been completed.
- The *searchExpenses()* method is used to search an expenditure entered by the user. The parameter passed to this method is the **expenses** ArrayList.
- *arrayList.contains(val)* returns a Boolean value if the **val** is in the **arrayList** which is the formal parameter of the *searchExpenses()* method.
- The *sortExpenses()* method prints the expenses in a sorted order (ascending).
- *Collections.sort(arrayList)* of the **java.util.Collections** is used to sort the ArrayList in ascending order.
- Although the above function sorts them and displays the sorted ArrayList it does not change the actual ArrayList as the *optionsSelection()* method is called after the *sortExpenses()* which overwrites the actual ArrayList on the sorted ArrayList.