

Question: Find Items

You are required to develop a C# Console Application to manage and analyze item sales using a `SortedDictionary`.

The application should perform various operations such as finding item details based on sold count, identifying minimum and maximum sold items, and sorting items by their sold count.

Given

In the `Program` class, a `SortedDictionary<string, long>` named **itemDetails** is already defined in the code template.

```
public static SortedDictionary<string, long> itemDetails = new  
SortedDictionary<string, long>();
```

Implement the following methods

1. FindItemDetails

```
public SortedDictionary<string, long> FindItemDetails(long soldCount)
```

Description:

- This method is used to find item details based on the sold count.
- If the given `soldCount` exists in `itemDetails`, return a `SortedDictionary` containing that item.
- If the sold count does not exist, return an **empty `SortedDictionary`**.
- If this method returns an empty dictionary, print:

Invalid sold count

in the `Main()` method.

2. FindMinandMaxSoldItems

```
public List<string> FindMinandMaxSoldItems()
```

Description:

- This method finds the minimum and maximum sold items from `itemDetails`.
- Store the item names in a `List<string>`:

- First element → Minimum sold item
 - Second element → Maximum sold item
 - Return the list.
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3. SortByCount

```
public Dictionary<string, long> SortByCount()
```

Description:

- This method displays all item details sorted in ascending order based on sold count.
 - Return the sorted result as a `Dictionary<string, long>`.
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Main Method Requirements

In the `Main()` method:

1. Get item names and their sold counts from the user.
 2. Call the above methods accordingly.
 3. Display the results clearly.
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Sample Input / Output

Sample Input

```
Enter number of items: 4
Enter item name: Pen
Enter sold count: 120
Enter item name: Pencil
Enter sold count: 80
Enter item name: Book
Enter sold count: 200
Enter item name: Eraser
Enter sold count: 50
Enter sold count to search: 80
```

Sample Output

```
Item Found:
Pencil - 80
```

```
Minimum Sold Item : Eraser
Maximum Sold Item : Book
```

```
Items sorted by sold count:
```

Eraser - 50

Pencil - 80

Pen - 120

Book - 200
