```
class Solution {
    int sum;
    public int rangeSumBST(TreeNode root, int L, int R) {

        //Iterative approach
        sum=0;
        if(root==null)
        {
            return sum;
        }

        Queue<TreeNode> queue=new LinkedList<>();
        queue.add(root);

        while(!queue.isEmpty())
        {
        //Take the reference of the current object.
          TreeNode curr=queue.remove();
          if(curr.val>=L && curr.val<=R)
          {
              sum+=curr.val;
          }
          if(curr.left!=null && curr.val>L)
          {
            queue.add(curr.left);
          }

           if(curr.right!=null && curr.val<R)
           {
              queue.add(curr.right);
           }
        }

        return sum;

    }
```

```
   //Simple recursive evaluation
  /*  public void bfs(TreeNode root,int L,int R)
    {
        if(root==null) return;

        if(root.val>=L && root.val<=R)
        {
            sum+=root.val;
        }

        if(root.left!=null && root.val>L)
            bfs(root.left,L,R);
        if(root.right!=null && root.val<R)
            bfs(root.right,L,R);
    }*/
}
```