

## Option 2: Java Support Task

Here's one approach I might take to assist the student:

1. Begin by comprehending the issue. Request that the student explain in detail what they are attempting to accomplish with the JOptionPane. The ShowDialog() method and how it leads to an infinite loop in their code.
2. Request that the student share their code with you or describe it in detail so that you can better understand what is going wrong.
3. Attempt to reproduce the issue by running the student's code or a similar piece of code that demonstrates the problem.
4. Once you've identified the problem, look for potential solutions by reviewing relevant documentation and resources, such as tutorials or forums.
5. Make suggestions to the student for resolving the issue, either by explaining how to change their existing code or by providing a different approach that will achieve the same result.
6. Request that the student try out your suggestions and see if they solve the problem. If they don't, keep working with the student to troubleshoot the issue until a solution is found.
7. Provide the student with additional resources or materials to help them learn and develop their skills in this area.
8. Follow up with the student after some time to see if they were able to resolve the issue and if they require any additional assistance.

You can help the student resolve their issue and continue making progress in their learning by working closely with them, providing clear and concise explanations, and providing relevant resources.