HackSlash Team Gray-Interface Recruitment Task :-

We are intending to design a calculator which will implement two classes; one being 'Simple' which is the base class and contains methods to perform basic arithmetic namely +,-,/,* and display.

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The second one being 'Complex' which will inherit 'Simple' and perform complex number calculations.
There are a few specifications to take into account while designing the above:-
i> Simple class will have overloaded constructor to initialize either 2 operands
(for simple arithmetic) or 4 operands (for complex arithmetic). [Hint: use *args and **kwargs]
ii> Complex class overrides the 'display' method of Simple class.
iii> Complex class has overloaded +,-,*and/ operators to perform complex
calculations and return Real and Imaginary part of the result together
which will be printed by the 'display' function.
iv> A user-defined exception named 'NegValException' has to be thrown if any of the incoming operands are negative and program terminates.
v> In the driver code display a menu-driven interface and accordingly create object of 'Simple' or 'Complex' class and take inputs.
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