```
class Rational:
       self.simplest form()
       self. denominator //= gcd
           return str(whole)
           return f"{whole} {abs(remainder)}/{self. denominator}"
        if precision is not None:
```

```
return str(result)
    def add(self, other):
         new denominator = self. denominator * other. denominator
         return Rational(new numerator, new denominator)
         new_numerator = self.__numerator * other.__numerator
new_denominator = self.__denominator * other.__denominator
import sys
from PyQt5 import uic
from PyQt5.QtWidgets import QMainWindow, QApplication
from Rational import Rational
class RationalDriver(QMainWindow):
         self.GetResultButton.clicked.connect(self.calculate result)
```

```
numl = int(self.rationall_lineEdit.text().split('/')[0])
    den1 = int(self.rationall_lineEdit.text().split('/')[1])
    num2 = int(self.rational2_lineEdit.text().split('/')[0])
    den2 = int(self.rational2_lineEdit.text().split('/')[1])

r1 = Rational(num1, den1)
    r2 = Rational(num2, den2)

if self.addition_button.isChecked():
        result = r1.add(r2)
    elif self.subs_button.isChecked():
        result = r1.subtract(r2)
    elif self.multiplication_button.isChecked():
        result = r1.multiply(r2)
    elif self.div_button.isChecked():
        result = r1.divide(r2)
    else:
        raise ValueError("Please select an operation.")

if result.get_numerator() == result.get_denominator():
        self.result_label.setText(str(result.to_mixed_fraction()))
    else:
        self.result_label.setText(str(result.to_mixed_fraction()))
    except Exception as e:
        self.result_label.setText("Error: " + str(e))

if __name__ == "__main__":
    app = QApplication(sys.argv)
    window = RationalDriver()
    window.show()
    sys.exit(app.exec_())
```