A. Design an Arithmetic Calculator to perform addition, subtraction, multiplication, division.

B. Save the filename with your Rollno dot cc

    (Eg. CS19003100.cc if your roll number is CS19003100)

C. Use appropriate comments.

D. Deadline for the Submission of the assignment is 11 Sept 2020, 11:59 pm.

E. The Calculator should be designed to accept first operand as a valid integer, then a valid operation to be performed (+, -, *, /) and then should accept the second operand as a valid integer. The program should print appropriate error messages for wrong input. The output shall be a float number.

Design of the calculator should be as per the following:

1. Name of the Calculator should be your name. If your name is Raj, then

```
Raj's Calculator
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```

2. Input format should be:

```
Enter the first number:(user input)
Enter the operation from +,-,*,/:(user input)
Enter the second number:(user input)
```

3. The output should be:

```
Answer = 400
Bye!
```

4. Test Data for the Calculator:

4. i) Test Data 1

```
Raj's Calculator

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Enter the first number:345
Enter the operation from +,-,*,/:+
```

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Enter the second number:55

Answer = 400

Bye!
```

4. ii) Test Data 2:

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Raj's Calculator

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Enter the first number:asdf

Error in input.

Bye!
```

4. iii) Test Data 3

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Raj's Calculator

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Enter the first number:234

Enter the operation from +,-,*,/:sdf

Error in input.

Bye!
```

4. iv) Test Data 4:

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Raj's Calculator

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Enter the first number:345

Enter the operation from +,-,*,/:+

Enter the second number:sdf

Error in input.

Bye!
```

4. v) Test Data 5:

```
Raj's Calculator

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Enter the first number:345

Enter the operation from +,-,*,/:/

Enter the second number:4

Answer = 86.25

Bye!
```

4. vi) Test Data 6:

```
Raj's Calculator

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Enter the first number:345.5

User input should only be in integer.

Bye!
```