```python
In [5]:  # DSC510
         # Week 2
         # 2.1 Programming Assignment
         # Author: Aarti Ramani
         # Created Date: 12/06/2022
         # Purpose: This is my first hello world program in jupyter
         # ****************************************************************************
         # Change#:1 (Week 2)
         # Change(s) Made: Version 1.0
         # Date of Change: 12/06/2022
         # Author: Aarti Ramani
         # Change Approved by: N/A
         # Date Moved to Production: N/A
         # ****************************************************************************


         def add(num_1, num_2):
             return num_1 + num_2


         def subtract(num_1, num_2):
             return num_1 - num_2


         def multiply(num_1, num_2):
             return num_1 * num_2


         def divide(num_1, num_2):
             return num_1 / num_2


         def concatenate(num_1, num_2):
             return num_1 + num_2


         def main():
             try:
                 #  user_name = input ('Enter your name : ')  # Accept user input for name
                 user_name = 'Aarti Ramani'
                 print('\nHello World! My name is : ', user_name)
                 print('In this program we will perform computation by accepting two numbers from
                 # print("In this program we will perform computation for the numbers 23.11 and 5
                 try:
                     num_1 = float(input('Enter the first number : '))
                 except ValueError:
                     print('Invalid user input for number. Please restart.')
                 else:
                     try:
                         num_2 = float(input('Enter the second number : '))
                     except ValueError:
                         print('Invalid user input for number. Please restart.')
                     else:
                         # num_1 = 23.11
                         # num_2 = 55.2
                         print('Addition - ', add(num_1, num_2))
                         print('Subtraction - ', subtract(num_1, num_2))
                         print('Multiplication - ', multiply(num_1, num_2))
                         print('Division - ', divide(num_1, num_2))
                         print('Concatenation - ', concatenate(str(num_1), str(num_2)))

                         newlist = ['This', 'is', 'a', 'test', 'list', 1, 3]
                         newlist.append('appending')
                         print(newlist)
```

```python
                newtuple = ('Here''s', 'a', 'test tuple', 1)
                print(newtuple)
        except RuntimeError:
            print('There was an error in processing user data')


if __name__ == "__main__":
    main()
```

```
Hello World! My name is :  Aarti Ramani
In this program we will perform computation by accepting two numbers from the user.
Enter the first number : 45.23
Enter the second number : 85.3
Addition -  130.53
Subtraction -  -40.07
Multiplication -  3858.1189999999997
Division -  0.5302461899179367
Concatenation -  45.2385.3
['This', 'is', 'a', 'test', 'list', 1, 3, 'appending']
('Heres', 'a', 'test tuple', 1)
```