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SDEV 300, Fair

Lab 1 Application Tests

MinMax Results

Test Case	Input	Expected Output	Actual Output	Pass?
1a	1,2,3,4,5	1,5	1,5	Yes
1b	5,4,3,2,1	1,5	1,5	Yes
1c	-1,-2,-3,-4,-5	-5,-1	-5,-1	Yes
1d	-5,-4,-3,-2,-1	-5,-1	--5,1	Yes
1e	1,2,3,4,f	Error	Error	Yes

```
Enter first number: 1
Enter second number: 2
Enter third number: 3
Enter fourth number: 4
Enter fifth number: 5
The minimum integer entered was 1
The maximum integer entered was 5


Process exited with code: 0
```

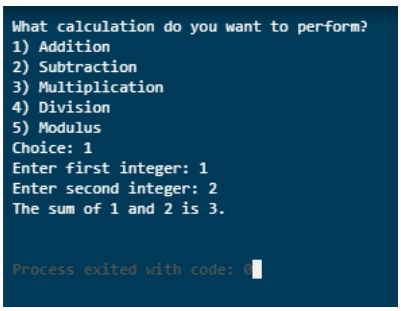
```
Enter first number: -1
Enter second number: -2
Enter third number: -3
Enter fourth number: -4
Enter fifth number: -5
The minimum integer entered was -5
The maximum integer entered was -1


Process exited with code: 0
```

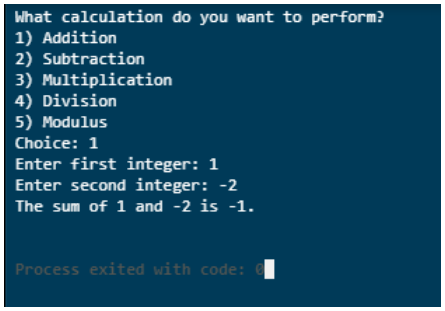
```
Enter first number: 1
Enter second number: 2
Enter third number: 3
Enter fourth number: 4
Enter fifth number: f
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab 1/MinMax.py", line 12, in <module>
    fifth_num = int(input("Enter fifth number: "))
ValueError: invalid literal for int() with base 10: 'f'


Process exited with code: 0
```

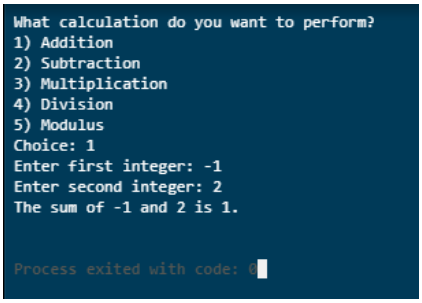
Calculator Results

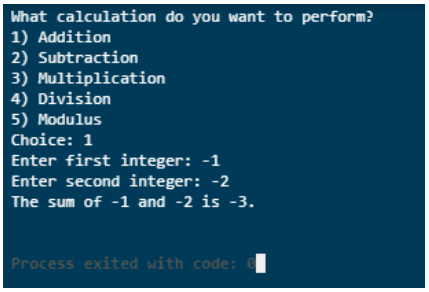
Addition

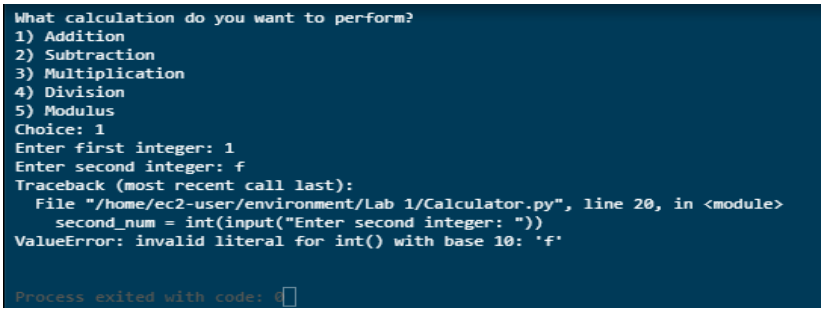
Test Case	Input	Expected Output	Actual Output	Pass?
1a	1, 2	3	3	Yes
1b	1, -2	-1	-1	Yes
1c	-1, 2	1	1	Yes
1d	-1, -2	-3	-3	Yes
1e	1, f	Error	Error	Yes





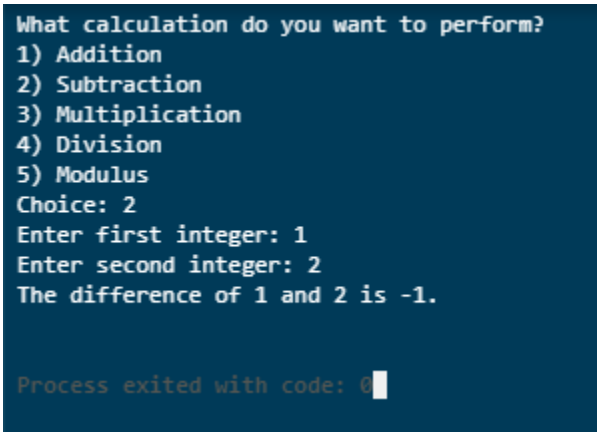


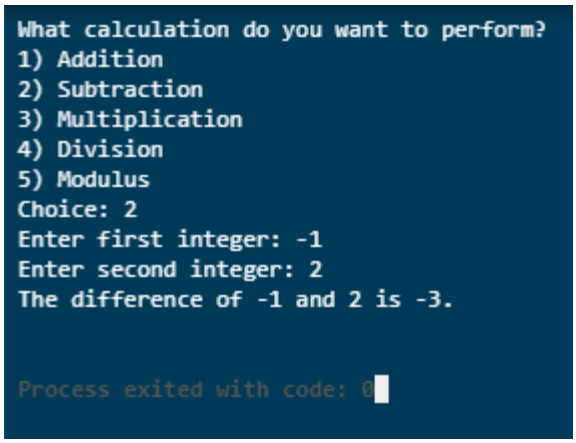


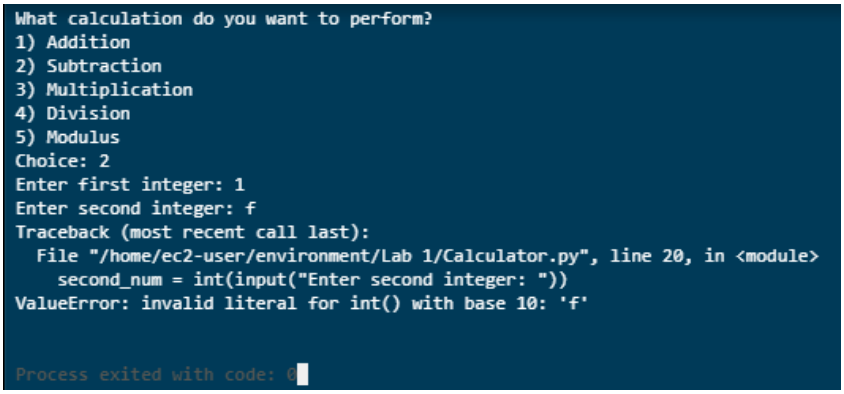


Subtraction

Test Case	Input	Expected Output	Actual Output	Pass?
1a	1, 2	-1	-1	Yes
1b	-1, 2	-3	-3	Yes
1c	1, -2	3	3	Yes
1d	-1, -2	1	1	Yes
1e	1, f	Error	Error	Yes

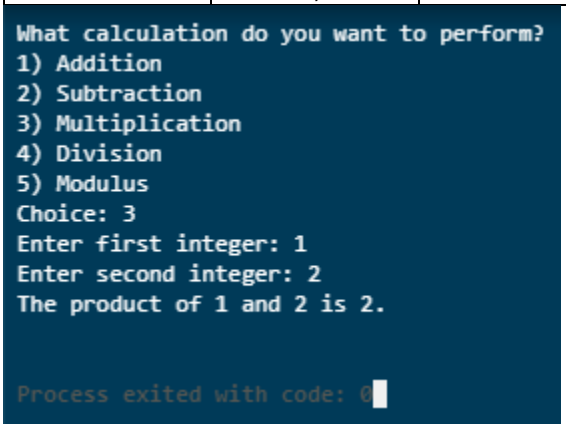


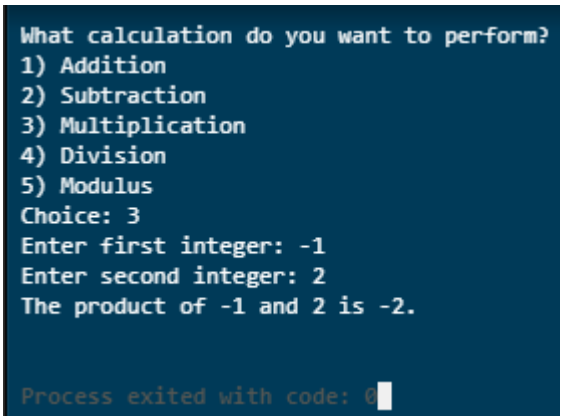




Multiplication

Test Case	Input	Expected Output	Actual Output	Pass?
1a	1,2	2	2	Yes
1b	-1,2	-2	-2	Yes
1c	1,-2	-2	-2	Yes
1d	-1,-2	2	2	Yes
1e	1,f	Error	Error	Yes





```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 3
Enter first integer: 1
Enter second integer: f
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab 1/Calculator.py", line 20, in <module>
    second_num = int(input("Enter second integer: "))
ValueError: invalid literal for int() with base 10: 'f'


Process exited with code: 0
```

Division

Test Case	Input	Expected Output	Actual Output	Pass?
1a	4,2	2.0	2.0	Yes
1b	-4,2	-2.0	-2.0	Yes
1c	4,-2	-2.0	-2.0	Yes
1d	-4,-2	2.0	2.0	Yes
1e	4,0	Error	Error	Yes
1f	4,f	Error	Error	Yes

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 4
Enter first integer: 4
Enter second integer: 2
The quotient of 4 and 2 is 2.0.

Process exited with code: 0
```

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 4
Enter first integer: -4
Enter second integer: 2
The quotient of -4 and 2 is -2.0.

Process exited with code: 0
```

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 4
Enter first integer: 4
Enter second integer: 0
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab 1/Calculator.py", line 35, in <module>
    result = first_num / second_num
ZeroDivisionError: division by zero


Process exited with code: 0
```

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 4
Enter first integer: 4
Enter second integer: f
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab 1/Calculator.py", line 20, in <module>
    second_num = int(input("Enter second integer: "))
ValueError: invalid literal for int() with base 10: 'f'


Process exited with code: 0
```

Modulus

Test Case	Input	Expected Output	Actual Output	Pass?
1a	5,10	5	5	Yes
1b	10,5	0	0	Yes
1c	5,-10	-5	-5	Yes
1d	-5,-10	-5	-5	Yes
1e	5,f	Error	Error	Yes

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 5
Enter first integer: 5
Enter second integer: 10
The modulus of 5 and 10 is 5.


Process exited with code: 0
```

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 5
Enter first integer: 5
Enter second integer: -10
The modulus of 5 and -10 is -5.


Process exited with code: 0
```

```
What calculation do you want to perform?
1) Addition
2) Subtraction
3) Multiplication
4) Division
5) Modulus
Choice: 5
Enter first integer: 5
Enter second integer: f
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab 1/Calculator.py", line 20, in <module>
    second_num = int(input("Enter second integer: "))
ValueError: invalid literal for int() with base 10: 'f'


Process exited with code: 0
```