- # Python MinMax and Calculator Applications
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 # The first program calculates min and max values and the second program is used as a calculator

Test Case	Input	Expected Output	Actual Output	Pass?
1a	4,5,6,8,9	Minimum=4 Maximum=9	Minimum=4 Maximum=9	Yes
1b	1,13,7,13,13	Minimum=1 Maximum=13	Minimum=1 Maximum=13	Yes
1c	5,r,t,y,9	Error	Error	Yes but in future it has to be addressed
1d	-1,-2,-3,-4,-5	Minimum= -5 Maximum= -1	Minimum= -5 Maximum= -1	Yes

Figure 1. Test Case 1a Execution results

Figure 2. Test Case 1b Execution results

```
Welcome to the Python MinMax Application!
This application calculates the minimum and maximum of 5 integer values en
Enter your first integer:5
Enter your second integer:r
Enter your third integer:t
Enter your fouth integer:y
Enter your fifth integer:9
Traceback (most recent call last):
 File "/home/ec2-user/environment/Project 1/MinMax.py", line 23, in <modu
   minimum=min(int(integer1),int(integer2),int(integer3),int(integer4),in
ValueError: invalid literal for int() with base 10: 'r'
Process exited with code: 0
```

Figure 3. Test Case 1c Execution results

```
Welcome to the Python MinMax Application!
This application calculates the minimum and maximum of 5 integer values en
Enter your first integer:-1
Enter your second integer:-2
Enter your third integer:-3
Enter your fouth integer:-4
Enter your fifth integer:-5
The minimum integer entered was -5
The maximum integer entered was -1
Thanks for trying the Python MinMax application.
Process exited with code: 0
```

Figure 4. Test Case 1d Execution results

Test Case	Input	Expected Output	Actual Output	Pass?
2a	5 + 85	90	90	Yes
2b	7 - 13	-6	-6	Yes
2c	77 / 11	7	7	Yes
2d	- 44/2	-22	-22	Yes
2e	5/0	division by zero is not allowed	division by zero is not allowed	Yes but in future it has to be addressed
2f	123 * 5	615	615	Yes
2g	Q * W	Error	Error	Yes but in future it has to be addressed
2h	15 % 2	1	1	Yes

```
Welcome to the Python Calculator Application.
What calculation do you want to perform?
1) Addition (+)
Subtraction (-)
Division (/)
4) Multiplication (*)
Modulus (%)
Enter 1,2,3,4 or 5 indicating your selection.
Addition selected
Enter your first integer:
Enter your second integer:
85
The addition of 5 and 85 is 90
Thanks for trying the Python calculator
Process exited with code: 0
```

Figure 1. Test Case 2a Execution results

```
Welcome to the Python Calculator Application.
What calculation do you want to perform?
1) Addition (+)
Subtraction (-)
Division (/)
4) Multiplication (*)
5) Modulus (%)
Enter 1,2,3,4 or 5 indicating your selection.
Subtraction selected
Enter your first integer:
Enter your second integer:
13
The difference of 7 and 13 is -6
Thanks for trying the Python calculator
Process exited with code: 0
```

Figure 2. Test Case 2b Execution results

Figure 3. Test Case 2c Execution results

Figure 4. Test Case 2d Execution results

Figure 5. Test Case 2e Execution results

Figure 6. Test Case 1f Execution results

Figure 7. Test Case 1g Execution results

Figure 8. Test Case 1h Execution results