



yusuf@UbuntuSleekbook-14-PC: ~/Desktop/hw_02



```
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$ make
```

```
-----
Cleaning...
```

```
-----
Compiling...
```

```
-----
Running the tests....
=====
```

```
-----PART 1-----
```

```
Please enter a year you want to check.
```

```
2020
```

```
2020 is a leap year
```

```
=====
Completed tests....
```

```
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$ make
```

```
-----
Cleaning...
```

```
-----
Compiling...
```

```
-----
Running the tests....
=====
```

```
-----PART 1-----
```

```
Please enter a year you want to check.
```

```
2041
```

```
2041 is not a leap year.
```

```
=====
Completed tests....
```

```
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$
```



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```
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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 1-----
```

```
Please enter a year you want to check.
```

```
400
```

```
400 is a leap year  
=====
```

```
Completed tests....
```

```
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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 1-----
```

```
Please enter a year you want to check.
```

```
600
```

```
600 is not a leap year.  
=====
```

```
Completed tests....
```

```
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```



yusuf@UbuntuSleekbook-14-PC: ~/Desktop/hw_02



```
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$ make
```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 2-----
```

```
Please choose an output format.(S or I)
```

```
NOTE:'S' means scientific output ,'I' means integer output.
```

```
s
```

```
Please enter the m value:
```

```
25
```

```
Please enter the n value:
```

```
24
```

```
please enter the operator
```

```
(+ , - , / , * , % , ! , ^):^
```

```
Please enter the number 1:
```

```
9
```

```
Please enter the number 2:
```

```
2
```

```
9^2 =8.100000000000000000000000000000e1
```

```
=====
```

```
Completed tests....
```

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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 2-----
```

```
Please choose an output format.(S or I)
```

```
NOTE:'S' means scientific output ,'I' means integer output.
```

```
s
```

```
Please enter the m value:
```

```
20
```

```
Please enter the n value:
```

```
4
```

```
please enter the operator
```

```
(+ , - , / , * , % , ! , ^):!
```

```
Please enter the number you wanna calculate the factorial:
```

```
5
```

```
5! = 1200000000000000.0000e-13
```

```
=====
```

```
Completed tests....
```

```
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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 2-----
```

```
Please choose an output format.(S or I)
```

```
NOTE:'S' means scientific output ,'I' means integer output.
```

```
S
```

```
Please enter the m value:
```

```
16
```

```
Please enter the n value:
```

```
7
```

```
please enter the operator
```

```
(+ , - , / , * , % , ! , ^):*
```

```
Please enter the number 1:
```

```
123
```

```
Please enter the number 2:
```

```
456
```

```
123.000000 * 456.000000 = 560880000.0000000e-4
```

```
=====
```

```
Completed tests....
```

```
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```



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```
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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 2-----
```

```
Please choose an output format.(S or I)
```

```
NOTE:'S' means scientific output , 'I' means integer output.
```

```
s
```

```
Please enter the m value:
```

```
20
```

```
Please enter the n value:
```

```
5
```

```
please enter the operator
```

```
(+ , - , / , * , % , ! , ^):/
```

```
Please enter the number 1:
```

```
1
```

```
Please enter the number 2:
```

```
3
```

```
1.000000 / 3.000000 = 3333333300000000.00000e-15
```

```
WARNING!!!!The m value you entered is less than total number of digit of result.That's why there will be a loss of digit in scientific display  
!
```

```
Note:The needless amount of zero number after decimal can be understood as a loss of digit.If this warning's reason is this exception , please  
do not consider it.
```

```
=====
```

```
Completed tests....  
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$
```



yusuf@UbuntuSleekbook-14-PC: ~/Desktop/hw_02

-----
Compiling...
-----Running the tests....
=====

-----PART 3-----

Please enter 3 exam grades of student.(Out of 100)

60 70 80

Please enter 2 assignment grades of student.(Out of 100)

50 50

Final grade is 62.00

You passed.
=====

Completed tests....

yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02\$ make
-----Cleaning...
-----Compiling...
-----Running the tests....
=====

-----PART 3-----

Please enter 3 exam grades of student.(Out of 100)

30 40 50

Please enter 2 assignment grades of student.(Out of 100)

60 60

Your final grade is 48.00

You failed.
=====

Completed tests....

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```

```
-----  
Cleaning...
```

```
-----  
Compiling...
```

```
-----  
Running the tests....  
=====
```

```
-----PART 3-----
```

```
Please enter 3 exam grades of student.(Out of 100)
```

```
70 80 105
```

```
Please enter 2 assignment grades of student.(Out of 100)
```

```
54 59
```

```
Invalid input.You must enter a number between 0 and 100.Please enter exam_3 again
```

```
109
```

```
Invalid input.You must enter a number between 0 and 100.Please enter exam_3 again
```

```
-5
```

```
Invalid input.You must enter a number between 0 and 100.Please enter exam_3 again
```

```
87
```

```
Final grade is 70.00
```

```
You passed.
```

```
=====
```

```
Completed tests....
```

```
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```




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Cleaning...

Compiling...

Running the tests....

=====

-----PART 3-----

Please enter 3 exam grades of student.(Out of 100)

65 70 75

Please enter 2 assignment grades of student.(Out of 100)

89 110

Invalid input.You must enter a number between 0 and 100.Please enter the assign_2 again

75

Final grade is 74.80

You passed.

=====

Completed tests....

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```
-----  
Running the tests....  
=====
```

```
-----PART 1-----
```

```
Please enter a year you want to check.  
2980
```

```
2980 is a leap year
```

```
-----PART 2-----
```

```
Please choose an output format.(S or I)  
NOTE:'S' means scientific output ,'I' means integer output.  
I  
please enter the operator  
(+ , - , / , * , % , ! , ^):^  
Please enter the number 1:  
6  
Please enter the number 2:  
0  
6^0 = 1
```

```
-----PART 3-----
```

```
Please enter 3 exam grades of student.(Out of 100)  
70 60 50  
Please enter 2 assignment grades of student.(Out of 100)  
80 90  
Final grade is 70.00  
You passed.
```

```
=====
```

```
Completed tests....  
yusuf@UbuntuSleekbook-14-PC:~/Desktop/hw_02$
```