OUTPUTS:

```
~/Desktop/Odev/GTU_CSE102_HW/hw2/my_solution git:(HEAD) (1m 1.57s)
make

-----------------------------------------
Cleaning...
-----------------------------------------
Compiling...
-----------------------------------------
Running the tests....
==================================================================
Please enter a year: 2000
2000 is a leap year
Enter the format of output (S or I): I

Enter the operation (+, -, /, *, !, ^, %): +
Enter the first operand: 2001

Enter the second operand: 23
2001 + 23 = 2024
Enter 3 exam grades of student : 100 42 72

Enter 2 assignment grades of student : 87 54

Final grade: 70.6 Passed!
==================================================================
Completed tests....
```

```
~/Desktop/Odev/GTU_CSE102_HW/hw2/my_solution git:(HEAD) (39.648s)
make

-----------------------------------------
Cleaning...
-----------------------------------------
Compiling...
-----------------------------------------
Running the tests....
==================================================================
Please enter a year: 2010
2010 is not a leap year
Enter the format of output (S or I): I

Enter the operation (+, -, /, *, !, ^, %): /
Enter the first operand: 35

Enter the second operand: 2
35 / 2 = 17.50
Enter 3 exam grades of student : 100 23 56

Enter 2 assignment grades of student : 23 56

Final grade: 51.0 Failed!
==================================================================
Completed tests....
```

```
./test
Please enter a year: 2022
2022 is not a leap year
Enter the format of output (S or I): I

Enter the operation (+, -, /, *, !, ^, %): !
Enter the first operand: 0
0 ! = 1
Enter 3 exam grades of student : 99 99 12

Enter 2 assignment grades of student : 0 12

Final grade: 44.4 Failed!
```

```
./a.out

Please enter a year: 2011
2011 is not a leap year
Enter the format of output (S or I): S
Enter m and n values: 8 4

Enter the operation (+, -, /, *, !, ^, %): 12340000

Invalid input
Enter 3 exam grades of student : 102 22 22
Invalid input.You can enter a value between 0 and 100. Please try again
```

```
./test

Please enter a year: 3000
3000 is not a leap year
Enter the format of output (S or I): S
Enter m and n values: 2 4
N cannot be greater than M
Invalid input
Enter 3 exam grades of student : 12 98 65

Enter 2 assignment grades of student : 100 100

Final grade: 74.8 Passed!
```

```
./test

Please enter a year: 3200
3200 is a leap year
Enter the format of output (S or I): S
Enter m and n values: 7 1

Enter the operation (+, -, /, *, !, ^, %): /
Enter the first operand: 14.7

Enter the second operand: 2
14.700000 / 2.000000 = 7.350000E+00
Enter 3 exam grades of student : 65 33 12

Enter 2 assignment grades of student : 66 78

Final grade: 50.4 Failed!
```

```
./test

Please enter a year: 2072
2072 is a leap year
Enter the format of output (S or I): S
Enter m and n values: 4 2

Enter the operation (+, -, /, *, !, ^, %): !
Enter the first operand: 5
5.000000 ! = 01.20e+02
Enter 3 exam grades of student : 60 70 80

Enter 2 assignment grades of student : 50 50

Final grade: 62.0 Passed!
```

```
~/Desktop/Odev/GTU_CSE102_HW/hw2/my_solution git:(HEAD) (40.809s)
./test

Please enter a year: 4531
4531 is not a leap year
Enter the format of output (S or I): S
Enter m and n values: 4 1

Enter the operation (+, -, /, *, !, ^, %): +
Enter the first operand: 0.0003

Enter the second operand: 0
0.000300 + 0.000000 = 3.000E-04
Enter 3 exam grades of student : 45 32 87

Enter 2 assignment grades of student : 12 35

Final grade: 41.6 Failed!
```

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