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## CSL5402 Artificial Intelligence Lab Lab 1 Assignment

## **List of Experiments:**

- 1. WAP to implement a simple calculator. The output should be something like: Select operation.
  - 1. Add
  - 2. Subtract
  - 3. Multiply
  - 4. Divide

Enter choice (1/2/3/4): 3 Enter first number: 15 Enter second number: 14

15 \* 14 = 210

2. A leap year is exactly divisible by 4 except for century years (years ending with 00). The century year is a leap year only if it is perfectly divisible by 400. For example,

2017 is not a leap year

1900 is a not leap year

2012 is a leap year

2000 is a leap year

WAP to check if a year is leap. Use % operator

- 3. WAP to find factorial of a number. Use range() function.
- 4. WAP to shuffle a deck of cards. The output should be like:

You got:

5 of Heart

1 of Heart

8 of Spade

2 of Spade

4 of Spade

Format of SUBMISSION (YOURROLLNO\_ASSIGNMENTNO\_COURSECODE.pdf and YOURROLLNO\_ASSIGNMENTNO\_COURSECODE.ipynb). You have to submit your assignment in both the format (.pdf and .ipynb). Example: If your roll number is 1906005, then write 1906005\_1\_CSL5402.pdf for assignment number 1. For assignment number 2, write 1906005\_2\_CSL5402.pdf.