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.