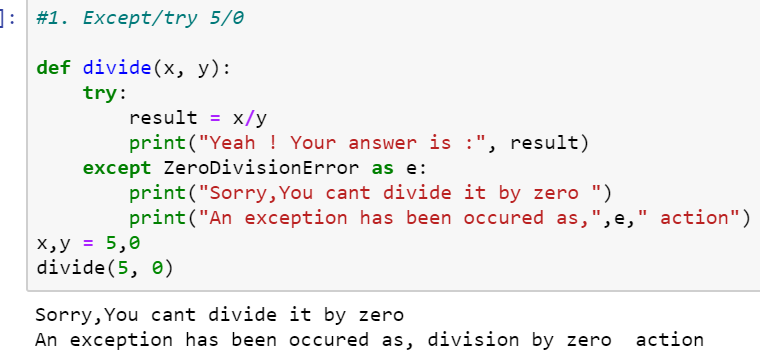
**ASSIGNMENT 3:**

Submitted by: Astha Narain

Task 1:

1. Write a function to compute 5/0 and use try/except to catch the exceptions.

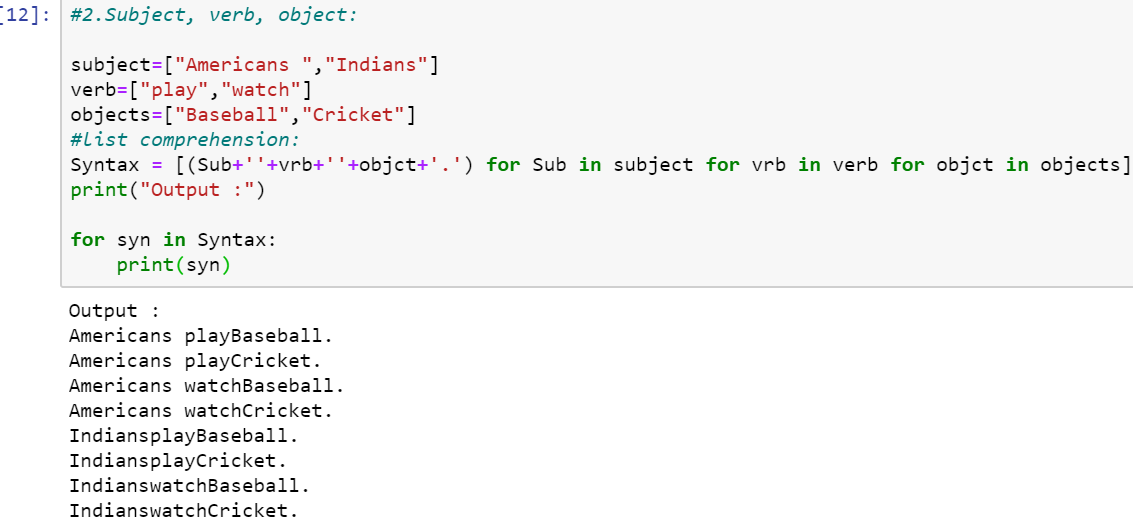


1. Implement a Python program to generate all sentences where subject is in ["Americans", "Indians"] and verb is in ["Play", "watch"] and the object is in ["Baseball","cricket"].

Hint: subjects=["Americans ","Indians"]

verbs=["play","watch"]

objects=["Baseball","Cricket"]



Task 2:

1. Write a function so that the columns of the output matrix are powers of the input vector.

The order of the powers is determined by the increasing Boolean argument. Specifically, when increasing is False, the i-th output column is the input vector raised element-wise to the power of N - i - 1.

HINT: Such a matrix with a geometric progression in each row is named for Alexandre-Theophile Vandermonde.

