**Task – 1**

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

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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: Subject,Verb and Object should be declared in the program as shown below.**

**subjects=["Americans ","Indians"]**

**verbs=["play","watch"]**

**objects=["Baseball","Cricket"]**

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**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.**

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