Data Science Masters :Assignment 5

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

In [41]:
```python
# Solution:

def ComputeCalculation(a,b):
    try:
        div = a/b
        return div
    except ZeroDivisionError:
        return "Error - Numbers cannot be divided by Zero."

print(ComputeCalculation(5,0))
```

Error - Numbers cannot be divided by Zero.

2. 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"]

Output should come as below:

```
Americans play Baseball.
Americans play Cricket.
Americans watch Baseball.
Americans watch Cricket.
Indians play Baseball.
Indians play Cricket.
Indians watch Baseball.
Indians watch Cricket.
```

In [36]:
```python
# Solution:

def SentenceFormation(subjects,verbs,objects):
    for sub in subjects:
        for vb in verbs:
            for obj in objects:
                print(sub+" "+vb+" "+obj+".")

subjects=["Americans","Indians"]
verbs=["play","watch"]
objects=["Baseball","Cricket"]
SentenceFormation(subjects,verbs,objects);
```

```
Americans play Baseball.
Americans play Cricket.
Americans watch Baseball.
Americans watch Cricket.
Indians play Baseball.
Indians play Cricket.
Indians watch Baseball.
Indians watch Cricket.
```