

PYTHON - 5 - Assignment

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

In [1]:

```
def Devide(Numerator,Denominator):  
    try:  
        Quotient = Numerator/Denominator  
    except ZeroDivisionError as e1:  
        print('Error:\t Division by Zero')  
        Quotient = 'unidentified'  
    except Exception as e:  
        print('Error:\t', e)  
        Quotient = 'unidentified'  
    return (Quotient)  
  
print(Devide(5,0))
```

```
Error:  Division by Zero  
unidentified
```

Problem 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 [2]:

```
subjects=["Americans","Indians"]  
verbs=["play","watch"]  
objects=["Baseball","Cricket"]  
  
lstOutput=list()  
  
for subject in subjects:  
    for verb in verbs:  
        for object in objects:  
            print(subject + ' ' + verb + ' ' + object)
```

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