

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

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In [14]: class Compute:
          def compute_division(self):
              try:
                  5/0
              except ZeroDivisionError as e:
                  print("Zero division exception caught & exception details, ", e)

          c = compute()
          c.compute_division()
```

Zero division exception caught & exception details, division by zero

In [ ]:

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 [28]: subjects=["Americans","Indians"]
verbs=["play","watch"]
objects=["Baseball","Cricket"]

class GenerateSentence:
    def generate_sentences(self):
        sentences=[]
        for i in subjects:
            for j in verbs:
                for k in objects:
                    print(i, j, k, end='.\n')

obj = GenerateSentence()
obj.generate_sentences()
```

```
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 [ ]: