Assignment-3

Task 1:

Indians watch Cricket.

1.

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

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In [1]: #function for compute 5/0
               def compute_5by0():
                     return 5/0
               # try block
               try:
                     compute_5by0()
               #except block
               except ZeroDivisionError as e:
                     print("5 can't be devide by zero. Exception occured as ' {} ' .".format(e))
                     print("There is another exception error")
               5 can't be devide by zero. Exception occured as ' division by zero ' .
          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 [3]: subjects=["Americans ","Indians"]
          verbs=["play","watch"]
objects=["Baseball","Cricket"]
          # creation of all sentences by List comprehension. 
 all_sentence=[(s+" "+v+" "+o+".") for s in subjects for v in verbs for o in objects ]
          #for loop to print all created sentences one by one.
for sentence in all_sentence:
               print(sentence)
          Americans play Baseball.
Americans play Cricket.
Americans watch Baseball.
           Americans watch Cricket.
          Indians play Baseball.
Indians play Cricket.
          Indians watch Baseball.
```

Task-2