

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

```
In [4]: def div_by_zero(number, zero):  
        return number/zero  
  
        try:  
            div_by_zero(5, 0)  
        except ZeroDivisionError as e:  
            print("Handle run-time 'Div by 0' error:", e)
```

Handle run-time 'Div by 0' error: division 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"]

```
In [5]: subjects = ["Americans", "Indians"]
verbs = ["Play", "watch"]
objects = ["Baseball", "cricket"]

# Use list comprehension instead of looping over each of the predicates
sentence_list = [(sub+" "+ vb + " " + ob) for sub in subjects for vb in verbs for ob in objects]
for sentence in sentence_list:
    print(sentence)
```

```
Americans Play Baseball
Americans Play cricket
Americans watch Baseball
Americans watch cricket
Indians Play Baseball
Indians Play cricket
Indians watch Baseball
Indians watch cricket
```