

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

```
In [6]: def exception_handling():
        try:
            x=5/0
        except ZeroDivisionError as fe:
            print("Division by zero gives infinity ")

        else:
            print("Execution is correct")
```

```
In [3]: exception_handling()
```

Division by zero gives infinity

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 [7]: subjects = ["Americans ", "Indians"]

verbs = ["play", "watch"]

objects = ["Baseball", "Cricket"]
```

```
In [8]: for s in subjects:
        for v in verbs:
            for o in objects:
                print(s + " "+v + " "+o)
```

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 [ ]:
```