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

**Answer:**

def divide\_by\_zero():

try:

result = 5 / 0

except ZeroDivisionError as e:

print("Exception caught: division by zero is not allowed.")

print(f"Exception details: {e}")

# Example usage

divide\_by\_zero()

**Q 2. Implement a Python program to generate all sentences where the subject is in ["Americans", "Indians"] and the verb is in ["play", "watch"] and the object is in ["Baseball", "Cricket"].**

**Answer:**def generate\_sentences(subjects, verbs, objects):

for subject in subjects:

for verb in verbs:

for obj in objects:

print(f"{subject} {verb} {obj}.")

# Define the lists of subjects, verbs, and objects

subjects = ["Americans", "Indians"]

verbs = ["play", "watch"]

objects = ["Baseball", "Cricket"]

# Generate and print the sentences

generate\_sentences(subjects, verbs, objects)