*Session 3: Assignment 2*

**Table of Contents**

1. Introduction
2. Problem Statement
3. Output
4. Introduction

This assignment will help you to consolidate the concepts learnt in the session.

1. Problem Statement

**Problem Statement 1:**

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.

Output

**Solution 1:**

**Source Code:**

import sqlite3

db = sqlite3.connect("my\_database11.db")

db.execute(str("drop table if exists place3"))

db.execute(str("create table place4(subject text, verb text, objects text)"))

#inserting values inside the created table

db.execute("insert into place4(subject, verb, objects) values('Americans', 'play','Baseball' )")

db.execute("insert into place4(subject, verb, objects) values('Americans', 'play','Cricket' )")

db.execute("insert into place4(subject, verb, objects) values('Americans', 'watch','Baseball' )")

db.execute("insert into place4(subject, verb, objects) values('Americans', 'watch','Cricket' )")

db.execute("insert into place4(subject, verb, objects) values('Indians', 'play','Baseball' )")

db.execute("insert into place4(subject, verb, objects) values('Indians', 'play','Cricket' )")

db.execute("insert into place4(subject, verb, objects) values('Indians', 'watch','Baseball' )")

db.execute("insert into place4(subject, verb, objects) values('Indians', 'watch','Cricket' )")

db.commit()

results = db.execute("select \* from place4 order by subject")

for row in results:

print(row)

**Output**

***(u'Americans', u'play', u'Baseball')***

***(u'Americans', u'play', u'Cricket')***

***(u'Americans', u'watch', u'Baseball')***

***(u'Americans', u'watch', u'Cricket')***

***(u'Indians', u'play', u'Baseball')***

***(u'Indians', u'play', u'Cricket')***

***(u'Indians', u'watch', u'Baseball')***

***(u'Indians', u'watch', u'Cricket')***

**OR**

***Americans play Baseball***

***Americans play Cricket***

***Americans watch Baseball***

***Americans watch Cricket***

***Indians play Baseball***

***Indians play Cricket***

***Indians watch Baseball***

***Indians watch Cricket***

**The screenshot of the output:**

