

ASSIGNMENT 5.2

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1. Introduction

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

2. Problem Statement

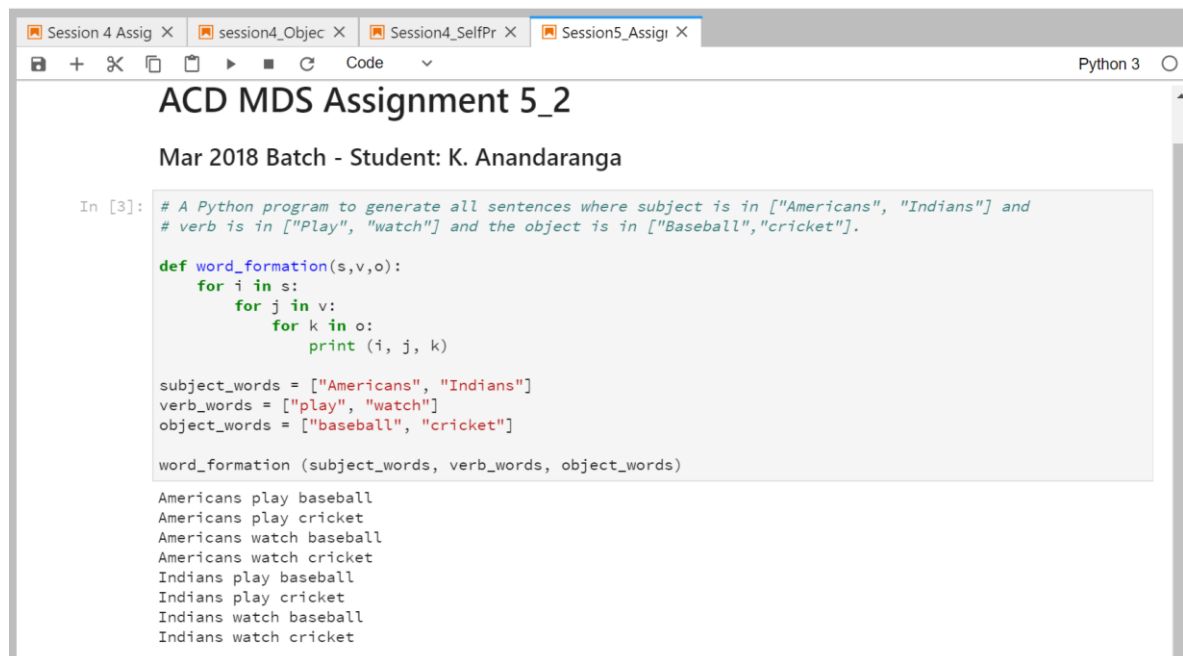
Implement a Python program to generate all sentences where subject is in ["Americans", "Indians"] and verb is in ["Play", "watch"] and the object is in ["Baseball", "cricket"].

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.

3. Output



The screenshot shows a Jupyter Notebook interface with a tab labeled 'Session5_Assign'. The notebook title is 'ACD MDS Assignment 5_2' and the subtitle is 'Mar 2018 Batch - Student: K. Anandaranga'. The code cell contains a Python program that generates all possible sentences based on the given subjects, verbs, and objects. The output of the program is displayed below the code cell.

```
In [3]: # 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"].

def word_formation(s,v,o):
    for i in s:
        for j in v:
            for k in o:
                print (i, j, k)

subject_words = ["Americans", "Indians"]
verb_words = ["play", "watch"]
object_words = ["baseball", "cricket"]

word_formation (subject_words, verb_words, object_words)
```

Americans play baseball
Americans play cricket
Americans watch baseball
Americans watch cricket
Indians play baseball
Indians play cricket
Indians watch baseball
Indians watch cricket