

PYTHON MINI PROJECT

Topic: Team Chooser

Goal/Scope: This project will split players randomly into two teams. Creating a list of players to choose from. Choose random players. Make sure every player is chosen for a team. Use a file to store your list of players.

Team members: ADITYA JOSHI - 2K18CSUN01002
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Code:

```
from random import choice

#create a list of players from a file
players = []
file = open('Players', 'r')
players = file.read().splitlines()
print('Players:', players)

#create a list of team names from a file
teamNames = []
file = open('teamnames', 'r')
teamNames = file.read().splitlines()
print('Team names:', teamNames)

#create empty teamlist
teamA = []
teamB = []

#loop until there are no players left
while len(players) > 0:
```

```
#choose a random player for team A
playerA = choice(players)
teamA.append(playerA)

#remove the player from the players list
players.remove(playerA)

#break out of the loop if there are no players left
if players == []:
    break
#choose a random player for team B
playerB = choice(players)
teamB.append(playerB)

#remove the player from the players list
players.remove(playerB)

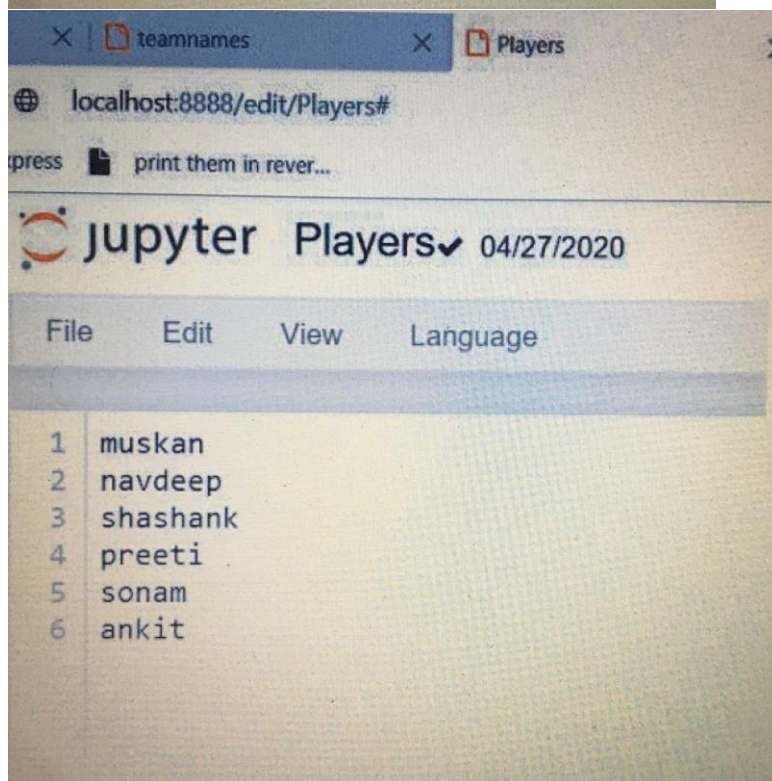
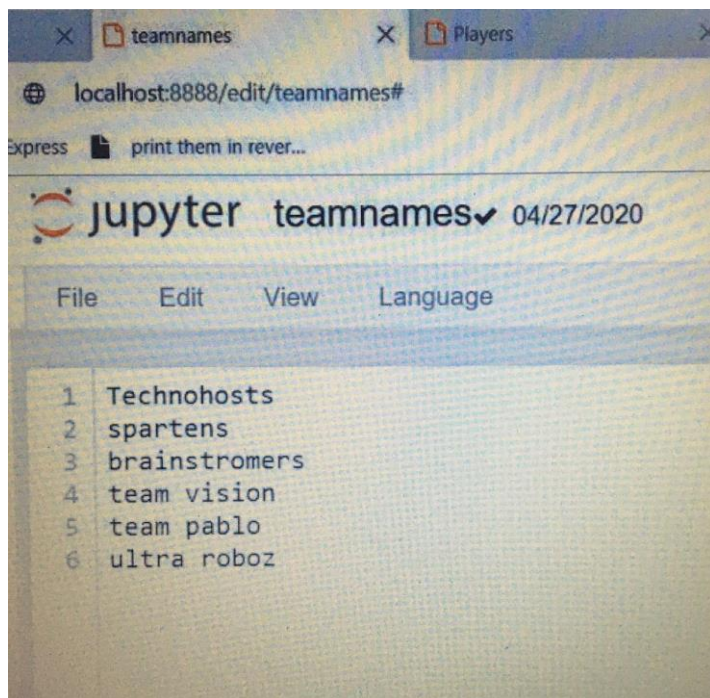
#choose random team names for the 2 teams

teamNameA = choice(teamNames)
teamNames.remove(teamNameA)
teamNameB = choice(teamNames)
teamNames.remove(teamNameB)

#print the teams

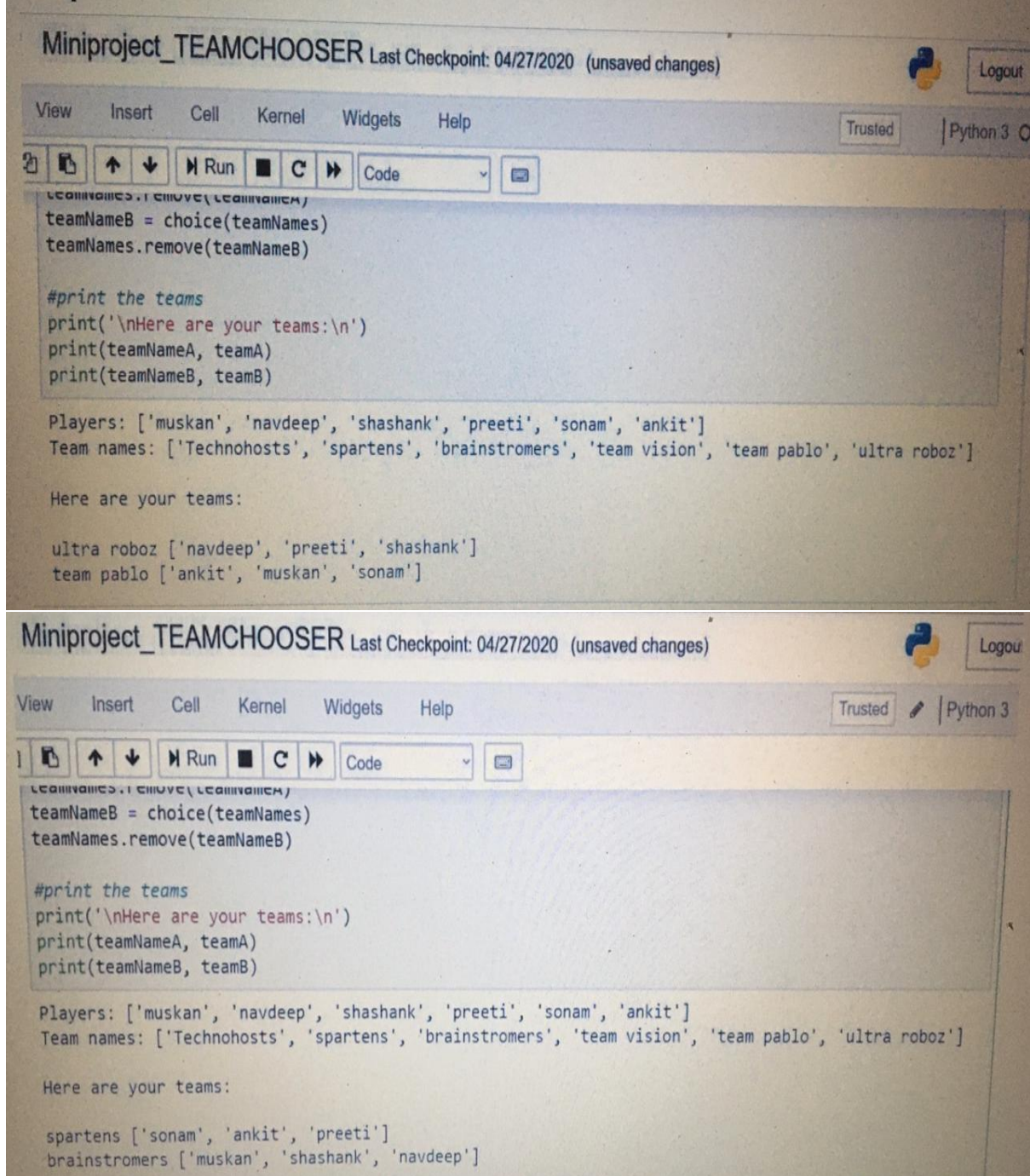
print('\nHere are your teams:\n')
print(teamNameA, teamA)
print(teamNameB, teamB)
```

Files of Players and Team names:



OUTPUT:

Output:



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```
teamNames.remove(teamNameA)
teamNameB = choice(teamNames)
teamNames.remove(teamNameB)

#print the teams
print('\nHere are your teams:\n')
print(teamNameA, teamA)
print(teamNameB, teamB)
```

Players: ['muskan', 'navdeep', 'shashank', 'preeti', 'sonam', 'ankit']
Team names: ['Technohosts', 'spartens', 'brainstromers', 'team vision', 'team pablo', 'ultra roboz']

Here are your teams:

ultra roboz ['navdeep', 'preeti', 'shashank']
team pablo ['ankit', 'muskan', 'sonam']

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```
teamNames.remove(teamNameA)
teamNameB = choice(teamNames)
teamNames.remove(teamNameB)

#print the teams
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print(teamNameA, teamA)
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```

Players: ['muskan', 'navdeep', 'shashank', 'preeti', 'sonam', 'ankit']
Team names: ['Technohosts', 'spartens', 'brainstromers', 'team vision', 'team pablo', 'ultra roboz']

Here are your teams:

spartens ['sonam', 'ankit', 'preeti']
brainstromers ['muskan', 'shashank', 'navdeep']

My contribution in this project was the coding part which is explained through a video given below:

https://drive.google.com/file/d/1iOxMTdonqgB75npj_Ly8eKiIdlBUcTbc/view

