

```
profession_list = ["Education", "Marketing", "Economics", "Engineering", "STEM",  
"Health", "Computer Science", "Psychology", "Biology", "Law"]
```

```
profession_dictionary = {"Education": "Auburn University, University of Alabama, University of  
Alabama at Birmingham, Alabama state University, University of North Alabama",  
"Marketing": "University of Alabama, Auburn University, University of North Alabama, Samford  
University, University of Alabama at Birmingham",  
"Economics": "Auburn University, University of Alabama, University of Alabama at Birmingham,  
Jacksonville state University, Samford University",  
"Engineering": "University of Alabama, Auburn University, University of South Alabama,  
University of Alabama in Huntsville, University of Alabama at Birmingham",  
"STEM": "Tuskegee University, University of Alabama at Birmingham, University of South  
Alabama, University of Alabama, University of Alabama in huntsville",  
"Health": "University of Alabama at Birmingham, University of Alabama, University of South  
Alabama, Auburn University, University of Alabama in Huntsville",  
"Computer Science": "Auburn University, University of South Alabama, Alabama state  
University, Tuskegee University, Faulkner University",  
"Psychology": "Auburn University, University of Alabama, University of Alabama at Birmingham,  
University of South Alabama, Alabama state University",  
"Biology": "University of Alabama, Auburn University, University of Alabama at Birmingham,  
Auburn University, University of North Alabama",  
"Law": "University of Alabama, Samford University, Faulkner University, Alabama state  
University, Herzing University"}
```

```
def userQuestion():  
    print("*****")  
    print("Welcome to your College Guide for the state of Alabama.")  
    print("Please choose a career from the list provided by entering the corresponding number.")  
    for x in range(len(profession_list)):  
        print(str(x+1) + " - " + profession_list[x])  
    responseFromUser = input("Choice: ")  
    return responseFromUser
```

```
def findCollegeForProfessionChoice(user_response):  
    if((user_response > len(profession_list)) or (user_response <= 0)):  
        print("")  
        print("")  
        print("*****")
```

```

print("You have chosen an INVALID response. Starting over..")
print("*****")
print("")
print("")
userProfessionPick=userQuestion()
findCollegeForProfessionChoice(int(userProfessionPick))
else:
    for key in profession_dictionary :
        if(profession_list[user_response-1]==key):
            print(profession_list[user_response-1]+" " + str(profession_dictionary[key]))
    print("*****")
    print("")
    print("")
    print("")

```

```

userProfessionPick=userQuestion()
findCollegeForProfessionChoice(int(userProfessionPick))
answer = input("Would you like to choose another profession?(Y/N): ")
while((answer == "Y")or(answer == "y")):
    userProfessionPick=userQuestion()
    findCollegeForProfessionChoice(int(userProfessionPick))
    answer = input("Would you like to choose another profession?(y/n): ")
print("Hope you found some answers!")

```