**Exercise 4-Group 26(Satish&Salma)**

**Submission:**

* Name your file as ex4.doc
* Include the source code and a screenshot of the output for each question in your word doc
* One submission is needed from each group

**Write a program that prompts the user to enter two characters and displays the major and status represented in the characters. The first character indicates the major and the second is number character 1, 2, 3, and 4, which indicates whether a student is a freshman, sophomore, junior, or senior. Suppose the following characters are used to denote the majors:**

**M: Mathematics**

**C: Computer Science**

**I:  Information Technology**

Sample run

Enter two characters: M1

Mathematics

Freshman

**We solved the problem here in 2 ways, one is through if/else statements and other is through Dictionaries**

**Source code(Using If/Else statements):**

string=str(input("Enter 2 charancters:"))

if(string[0]=="M"):

    print("Mathematics")

elif(string[0]=="C"):

    print("Computer Science")

elif(string[0]=="I"):

    print("Information Technology")

if(string[1]=="1"):

    print("freshman")

elif(string[1]=="2"):

    print("sophomore")

elif(string[1]=="3"):

    print("junior")

elif(string[1]=="4"):

    print("senior")

else:

    print("not found")

**Output:**

**Graphical user interface, application

Description automatically generated**

**Source Code(Using Dictionaries):**

string=str(input("Enter two character:"))

dict1={"M":"Mathematics","C":"Computer Science","I":"Information Technology"}

dict2={"1":"freshman","2":"sophomore","3":"junior","4":"senior"}

print(dict1[string[0]])

print(dict2[string[1]])

**Output:**

Graphical user interface, text, application

Description automatically generated