lesson-8-dictionary

October 13, 2023

```python
[7]: student_mark={'Abebe':98,
                   'Kebede':67,
                   'Abdela':91
     }
```

```python
[10]: student_mark['Kebede']
```

```
[10]: 67
```

```python
[11]: for score in student_mark.values():
          print(score)
```

```
98
67
91
```

```python
[12]: for name in student_mark.keys():
          print(name)
```

```
Abebe
Kebede
Abdela
```

```python
[13]: for name,score in student_mark.items():
          print("The score of ",name," is ",score)
```

```
The score of  Abebe  is  98
The score of  Kebede  is  67
The score of  Abdela  is  91
```

```python
[14]: del student_mark['Abebe']
```

```python
[15]: for name,score in student_mark.items():
          print("The score of ",name," is ",score)
```

```
The score of  Kebede  is  67
The score of  Abdela  is  91
```

```
[16]: student_mark['Abdela']=98
      for name,score in student_mark.items():
        print("The score of ",name," is ",score)
```

```
The score of  Kebede  is  67
The score of  Abdela  is  98
```

```
[1]: #student data management system
     #register, search, update, delete, display

     student_database={}
     def register_student():
       name=input("Enter student name")
       score=float(input("Enter score of {}".format(name)))
       student_database[name]=score
       print("        Registration Completed            ")
       show_all_student_data()

     def delete_student():
         name=input("Enter student name")
         del student_database[name]
         print("        Deleted Succesfully            ")
         show_all_student_data()

     def search():
         name=input("Enter student name")
         print("the score of ",name," is ",student_database[name])

     def show_all_student_data():
       for name,score in student_database.items():
           print("The score of ",name," is ",score)
     def update_student():
       name=input("Enter student name to update")
       score=float(input("Enter score of {}".format(name)))
       student_database[name]=score
       print("        Data updated succesfully            ")
       show_all_student_data()

     def menu():
       print("###################################")
       print("          M E N U                  ")
       print("###################################")
       print("Press 1 to register student")
       print("Press 2 to delete student")
       print("Press 3 to search student")
       print("Press 4 to show all students")
       print("Press 5 to update student data")
```

```python
choice=int(input("Enter your choice (from 1 to five)"))
if choice==1:
  register_student()
  menu()
elif choice==2:
  delete_student()
  menu()
elif choice==3:
    search()
    menu()
elif choice==4:
    show_all_student_data()
    menu()
elif choice==5:
    update_student()
    menu()
else:
  exit();


menu()
```

```
####################################
        M E N U
####################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)1
Enter student nameAbebe
Enter score of Abebe89
        Registration Completed
The score of  Abebe   is  89.0
####################################
        M E N U
####################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)1
Enter student nameKebede
Enter score of Kebede89
```

```
          Registration Completed
The score of  Abebe   is  89.0
The score of  Kebede  is  89.0
#####################################
         M E N U
#####################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)1
Enter student nametefera
Enter score of tefera90
          Registration Completed
The score of  Abebe   is  89.0
The score of  Kebede  is  89.0
The score of  tefera  is  90.0
#####################################
         M E N U
#####################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)3
Enter student nameKebede
the score of  Kebede  is  89.0
#####################################
         M E N U
#####################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)5
Enter student name to updateKebede
Enter score of Kebede100
          Data updated succesfully
The score of  Abebe   is  89.0
The score of  Kebede  is  100.0
The score of  tefera  is  90.0
#####################################
         M E N U
#####################################
Press 1 to register student
```

```
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)2
Enter student nameKebede
        Deleted Succesfully
The score of  Abebe  is  89.0
The score of  tefera  is  90.0
###################################
        M E N U
###################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)4
The score of  Abebe  is  89.0
The score of  tefera  is  90.0
###################################
        M E N U
###################################
Press 1 to register student
Press 2 to delete student
Press 3 to search student
Press 4 to show all students
Press 5 to update student data
Enter your choice (from 1 to five)7
```

[1]:
```python
#English to Amharic Dictionary

eng_am={}
for i in range(4):
    eng=input("enter English word")
    am=input("Trnslated word for {}".format(eng))
    eng_am[eng]=am
```

```
enter English wordwelcome
Trnslated word for welcome
enter English wordyes
Trnslated word for yes
enter English wordThankyou
Trnslated word for Thankyou
enter English wordCongratulations
Trnslated word for Congratulations
```

```
[2]: eng_am['yes']
```

[2]: '   '

```
[3]: eng_am['Congratulations']
```

[3]: '   '