lesson-6-function

October 13, 2023

```
[3]: #this function definition
     def greet():
       print("Hello codewithgaddisa")
```

```
[5]: #thi is a function call
     greet()
```

```
Hello codewithgaddisa
```

```
[6]: def dimir(a,b):
       result=a+b
       print("output=", result)
```

```
[11]: dimir(110,20)
      dimir(10,20)
```

```
output= 130
output= 30
```

```
[12]: def dimir2(a,b):
        result=a+b
        return result
```

```
[13]: result=dimir2(10,20)
      print(result)
```

```
30
```

```
[20]: def sum1(a,b,c=0):
        return a+b+c
```

```
[21]: print(sum1(2,3))
```

```
5
```

```
[23]: # student registration system

      student_names=[]
```

```python
def register_student():
  names=input("enter student name")
  student_names.append(names)
  menu()

def delete_student():

  name=input("enter the name of student to delete")
  student_names.remove(name)
  print("Student data deleted succesfully")
  menu()

def show_all_students():
  print("List of all students")
  for student in student_names:
    print(student)
  menu()
def close_the_porgram():
  exit()

def menu():
  print("#############################################")
  print("             M E N U             ")
  print("#############################################")
  print("Enter 1 to register new students")
  print("Enter 2 to delete students")
  print("Enter 3 to show all students")
  print("Enter 4 to close the program")

  choice=int(input("Enter your choice"))
  if choice==1:
    register_student()
  elif choice==2:
    delete_student()
  elif choice==3:
    show_all_students()
  elif choice==4:
    close_the_porgram()
  else:
    print("please select only a number from 1 to 4")
    menu()


menu()
```

##

```
                M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice3
List of all students
##################################################
                M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice1
enter student nameAbebe
##################################################
                M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice3
List of all students
Abebe
##################################################
                M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice1
enter student nameKebede
##################################################
                M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice3
List of all students
Abebe
Kebede
##################################################
```

```
              M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice5
please select only a number from 1 to 4
##################################################
              M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice1
enter student nameGaddisa
##################################################
              M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice3
List of all students
Abebe
Kebede
Gaddisa
##################################################
              M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice2
enter the name of student to deleteKebede
Student data deleted succesfully
##################################################
              M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice3
List of all students
```

```
Abebe
Gaddisa
##################################################
          M E N U
##################################################
Enter 1 to register new students
Enter 2 to delete students
Enter 3 to show all students
Enter 4 to close the program
Enter your choice4
```