Lab Manual Lecture 9

#Basic menu structured python function  
  
*'''def mainMenu():  
 print("1. Do something good")  
 print("2. Do something bad")  
 print("3. Quit")  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 good()  
 elif selection==2:  
 bad()  
 elif selection==3:  
 exit  
 else:  
 print("Invalid Choice. Enter 1-3")  
 mainMenu()  
  
  
mainMenu()'''*#Define the inside functions  
  
'''def mainMenu():  
 print("1. Do something good")  
 print("2. Do something bad")  
 print("3. Quit")  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 good()  
 elif selection==2:  
 bad()  
 elif selection==3:  
 exit  
 else:  
 print("Invalid Choice. Enter 1-3")  
 mainMenu()  
  
  
  
def good():  
 print("Good")  
def bad():  
 print("Bad")  
  
mainMenu()'''  
  
  
# How to go back to main menu function after a selection  
  
'''def mainMenu():  
 print("1. Do something good")  
 print("2. Do something bad")  
 print("3. Quit")  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 good()  
 elif selection==2:  
 bad()  
 elif selection==3:  
 exit  
 else:  
 print("Invalid Choice. Enter 1-3")  
 mainMenu()  
  
def good():  
 print("Good")  
 anykey=input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def bad():  
 print("Bad")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
mainMenu()'''  
  
# There will be error if we put different choice than integer, how to solve this issue?  
  
'''def mainMenu():  
 print("1. Do something good")  
 print("2. Do something bad")  
 print("3. Quit")  
 try:  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 good()  
 elif selection==2:  
 bad()  
 elif selection==3:  
 exit  
 else:  
 print("Invalid Choice. Enter 1-3")  
 mainMenu()  
 except ValueError:  
 print("Invalid Choice, enter 1-3")  
  
  
  
def good():  
 print("Good")  
 anykey=input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def bad():  
 print("Bad")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
mainMenu()'''  
  
  
# Control the error and bring back the program back to main menu we have to start infinite while loop  
  
'''def mainMenu():  
 print("1. Do something good")  
 print("2. Do something bad")  
 print("3. Quit")  
 while True:  
 try:  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 good()  
 break  
 elif selection==2:  
 bad()  
 break  
 elif selection==3:  
 break  
  
 else:  
 print("Invalid Choice. Enter 1-3")  
 mainMenu()  
 except ValueError:  
 print("Invalid Choice, enter 1-3")  
 exit  
  
  
def good():  
 print("Good")  
 anykey=input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def bad():  
 print("Bad")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
mainMenu()'''  
  
# Resturant menu Function  
def mainMenu():  
 print("1. Starter")  
 print("2. Main Food")  
 print("3. Dessert")  
 print("4. Soft Drinks")  
 print("5. Quit")  
  
 while True:  
 try:  
 selection=int(input("Enter the choice: "))  
 if selection==1:  
 starter()  
 break  
 elif selection==2:  
 mainfood()  
 break  
 elif selection==3:  
 dessert()  
 break  
 elif selection==4:  
 softdrinks()  
 break  
 elif selection==5:  
 break  
  
 else:  
 print("Invalid Choice. Enter 1-5")  
 mainMenu()  
 except ValueError:  
 print("Invalid Choice, enter 1-5")  
 exit  
  
  
def starter():  
 print("Chilli Potatoes: 10 RMB")  
 print("Chilli Paneer: 20 RMB")  
 print("Vegetable Gold Coins: 20 RMB")  
 anykey=input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def mainfood():  
 print("Fried rice: 30 RMB")  
 print("garlic fried: 30 RMB")  
 print("vegetable fried rice: 30 RMB")  
 print("mushroom rice fried rice: 30 RMB")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def dessert():  
 print("Fried Banana: 30 RMB")  
 print("Toffee apples: 30 RMB")  
 print("Date wantons: 30 RMB")  
 print("Ice cream: 30 RMB")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
def softdrinks():  
 print("cola: 30 RMB")  
 print("sprite: 30 RMB")  
 print("pepsi: 30 RMB")  
 anykey = input("Enter any key to return to the main menu function")  
 mainMenu()  
  
mainMenu()

#Import modules  
  
*'''import math  
  
# use math module functions  
print(math.sqrt(5))  
# Output 2.23606797749979'''*# Import multiple modules  
  
  
'''import math, random  
  
print(math.factorial(5))  
print(random.randint(10, 20))'''  
  
# import only factorial function from math module  
'''from math import factorial  
  
print(factorial(5))'''  
  
  
# import the module as different name  
'''import random as rand  
  
print(rand.randrange(10, 20, 2))'''  
  
  
#import all names  
  
from math import \*  
print(pow(4,2))  
print(factorial(5))  
  
print(pi\*3)  
print(sqrt(100))