*# ----------------- Health Management System -------------------- #  
'''  
3 Clients = Shayan, Ariyan & Umair.  
Files = Total 6 Files.  
Writes a func that when executed ask input that want to log or retrieve & then what  
to lock & retrieve food or exercise & take another input client's name & store them into  
files.  
Time func = (def getdate():  
 import datetime  
 return datetime.datetime.now() )  
'''  
  
# ------------------------------- Lets Starts ------------------------ #  
  
# -------------------------- time function ------------------------- #***def** getdate():  
 **import** datetime  
 **return** datetime.datetime.now()  
  
*# ------------------------------- Lock FUnction ----------------------- #***def** log\_shayan\_food():  
 **with** open(**'ShayanFood.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Food: '**)  
 f.write(**f'At {**getdate()**} Shayan Eat = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
**def** log\_shayan\_exercise():  
 **with** open(**'ShayanExercise.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Exercise: '**)  
 f.write(**f'At {**getdate()**} Shayan Done = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
**def** log\_ariyan\_food():  
 **with** open(**'AriyanFood.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Food: '**)  
 f.write(**f'At {**getdate()**} Ariyan Eat = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
**def** log\_ariyan\_exercise():  
 **with** open(**'AriyanExercise.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Exercise: '**)  
 f.write(**f'At {**getdate()**} Ariyan Done = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
**def** log\_umair\_food():  
 **with** open(**'UmairFood.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Food: '**)  
 f.write(**f'At {**getdate()**} Umair Eat = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
**def** log\_umair\_exercise():  
 **with** open(**'UmairExercise.txt'**, **'a'**) **as** f:  
 log = input(**'Enter Exercise: '**)  
 f.write(**f'At {**getdate()**} Umair Done = {**log**}\n'**)  
 print(**'Successfully write'**)  
  
  
*# -------------------------------- Retrieve Functions --------------------- #***def** retrieve\_shayan\_food():  
 **with** open(**'ShayanFood.txt'**) **as** f:  
 print(f.read())  
  
  
**def** retrieve\_shayan\_exercise():  
 **with** open(**'ShayanExercise.txt'**) **as** f:  
 print(f.read())  
  
  
**def** retrieve\_ariyan\_food():  
 **with** open(**'AriyanFood.txt'**) **as** f:  
 print(f.read())  
  
  
**def** retrieve\_ariyan\_exercise():  
 **with** open(**'AriyanExercise.txt'**) **as** f:  
 print(f.read())  
  
  
**def** retrieve\_umair\_food():  
 **with** open(**'UmairFood.txt'**) **as** f:  
 print(f.read())  
  
  
**def** retrieve\_umair\_exercise():  
 **with** open(**'UmairExercise.txt'**) **as** f:  
 print(f.read())  
  
  
*# --------------------------------------- Again Function ------------------------ #***def** yes\_no():  
 again = input(**"Do you wanna try again - Y or N ? "**).upper()  
 print()  
 **if** again == **"Y"**:  
 health\_management\_system()  
 **else**:  
 **pass***# ------------------- Main Function ---------------------------#*print(**'Clients = Shayan, Ariyan, Umair'**)  
print()  
  
  
**def** health\_management\_system():  
 print(**'This is Health Management System, You can log or retrieve any of clients file'**)  
 print()  
 log\_retrieve = input(**'What do you want to do Log or Retrieve, For log enter "L" and For retrieve enter "R" : '**).upper()  
 print()  
 clients\_name = int(input(**'For which client you are doing this, press 1 for Shayan, 2 for Ariyan, 3 for Umair: '**))  
 print()  
 food\_exercise = input(**'For Food press "a", For Exercise "b" : '**).upper()  
 print()  
 **if** log\_retrieve == **"L" and** clients\_name == 1 **and** food\_exercise == **"A"**:  
 log\_shayan\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"L" and** clients\_name == 1 **and** food\_exercise == **"B"**:  
 log\_shayan\_exercise()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 1 **and** food\_exercise == **"A"**:  
 retrieve\_shayan\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 1 **and** food\_exercise == **"B"**:  
 retrieve\_shayan\_exercise()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"L" and** clients\_name == 2 **and** food\_exercise == **"A"**:  
 log\_ariyan\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"L" and** clients\_name == 2 **and** food\_exercise == **"B"**:  
 log\_ariyan\_exercise()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 2 **and** food\_exercise == **"A"**:  
 retrieve\_ariyan\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 2 **and** food\_exercise == **"B"**:  
 retrieve\_ariyan\_exercise()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"L" and** clients\_name == 3 **and** food\_exercise == **"A"**:  
 log\_umair\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"L" and** clients\_name == 3 **and** food\_exercise == **"B"**:  
 log\_umair\_exercise()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 3 **and** food\_exercise == **"A"**:  
 retrieve\_umair\_food()  
 print()  
 yes\_no()  
  
 **elif** log\_retrieve == **"R" and** clients\_name == 3 **and** food\_exercise == **"B"**:  
 retrieve\_umair\_exercise()  
 print()  
 yes\_no()  
 **else**:  
 print(**'Enter valid value'**)  
  
  
health\_management\_system()