class EyeHealth:

def \_\_init\_\_(self, name, age):

self.name = name

self.age = age

self.is\_healthy = None

def check\_eye\_health(self):

vision\_quality = input( "Do you have vision problem?(Yes/No) ").strip().lower()

if vision\_quality == "yes":

self.is\_healthy = False

elif vision\_quality == "no":

self.is\_healthy = True

else:

print("Error!Just enter 'Yes' or 'No'.Try again!")

self.check\_eye\_health()

def vision\_type(self):

if not self.is\_healthy:

vision\_type = input("You can not see the near things or far things very well?or both?")

if vision\_type == "far":

print("So,you are myopia.")

elif vision\_type == "near":

print("So, you are hyperopia.")

elif vision\_type == "both":

print("So, you have myopia and hyperopia problem.")

else:

print("Please just enter 'near' , ' far' , 'both' .Try again!!!")

else:

print("")

def needs\_glasses(self):

if self.is\_healthy is None:

print("Check your eyes health!!!")

return

if not self.is\_healthy:

print("You need glasses.")

else:

print("You don't need glasses")

if age > 40:

print("As you know you have healthy eyes,but we recommend you to wear glasses for better vision.")

else:

print("You are under 40, and you don' need glasses.")

name = input("Enter your name: ")

age = int(input("Enter your age: "))

user\_eye\_health = EyeHealth(name, age)

user\_eye\_health.check\_eye\_health()

user\_eye\_health.vision\_type()

user\_eye\_health.needs\_glasses()