import random

class Student:

def \_\_init\_\_(self,name,id,dep,grade):

self.name=name

self.id=id

self.dep=dep

self.grade=grade

def student\_id(self):

stu\_id=random.randint(1000,9999)

return f"STU{stu\_id}"

def verify\_student\_id(self,id):

for i in id:

if len(id)==7 and id[3:7].isdigit() and id=="STU":

print("it is valid")

else:

print("it is invalid")

def verify\_name(self):

for i in name:

if len(self.name)>=2:

if self.name in self.name.isalpha() and self.name.replace(" ",""):

print("name of the student is valid")

else:

("name of the student is invalid")

def grade(self):

for i in self.grade:

if self.grade==1:

return f"st Grade"

for i in grade:

if self.grade==2:

return f"nd Grade"

for i in grade:

if self.grade==3:

return f"rd Grade"

for i in self.grade:

if self.grade>3 and self.grade<=12:

return f"th Grade"

def display(self):

print("name:",self.name,"\n","id:",self.id,"\n","department:",self.dep,"\n","grade:",self.grade)

name=input("enter the name:")

id=input("enter the id:")

dep=input("enter the department:")

grade=input("enter the grade:")

s=Student(name,id,dep,grade)

stu\_id= s.student\_id()

print("Student ID:",stu\_id)

s.verify\_student\_id(stu\_id)

s.verify\_name()

s.display()