Simplilearn Project 2:

Code: project2.py

```
class BasePasswordManager:
    #def __init_(self):
    old_password=["adsj@1346","S!3pl!1earn"]
    def get_password(self):
        #method that returns the current password as a string.
        return self.old_password[-1]

def is_correct(self,stringg):#that receives a string and returns a boolean
    if stringg == self.old_password[-1]:
        return True
    else:
        return False
```

```
class PasswordManager(BasePasswordManager):#This class inherits from BasePasswordManager
   def __init__(self):
       self.level_old=0
       self.level new=0
       BasePasswordManager.__init__(self)
   def get_level(self,string):
       self.password=string
       a,n,sp=0,0,0
       for i in self.password:
           if i.isalpha():
               a=a+1
           elif i.isdigit():
               n=n+1
               sp=sp+1
       if len(self.password)== a:
           return 0
       if len(self.password) == a+n:
       if len(self.password)== a+n+sp:
           return 2
   def set_password(self,stringg):
       juna_password=BasePasswordManager.get_password(self)
       self.level_new=self.get_level(stringg)
       self.level_old=self.get_level(juna_password)
       if self.level_new >= self.level_old and len(stringg):
           self.old_password.append(stringg)
           print("New password sucessfully added and securitylevel",self.level_new)
           print("Password is weak and lower security level than past password")
```

OutPut

Test Case 1

Test Case 2