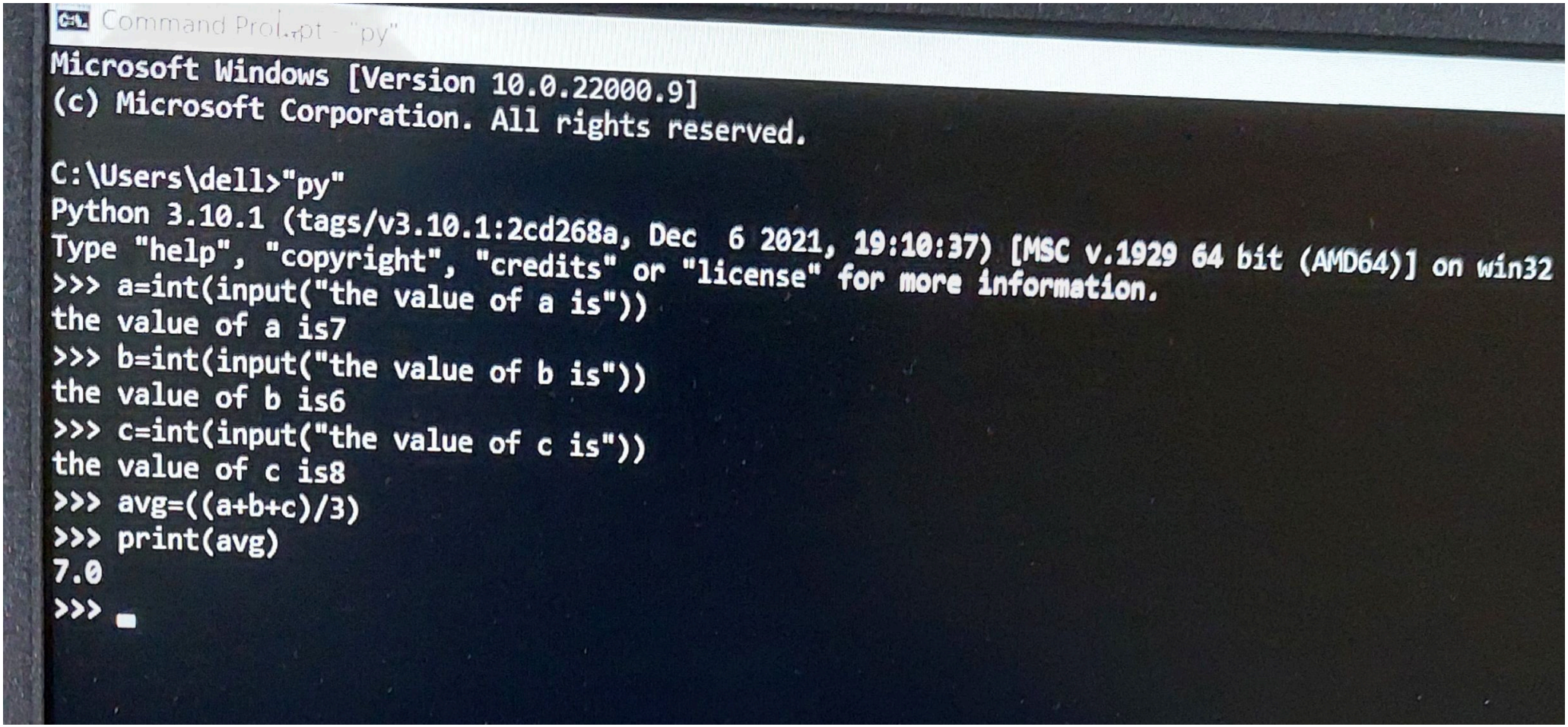
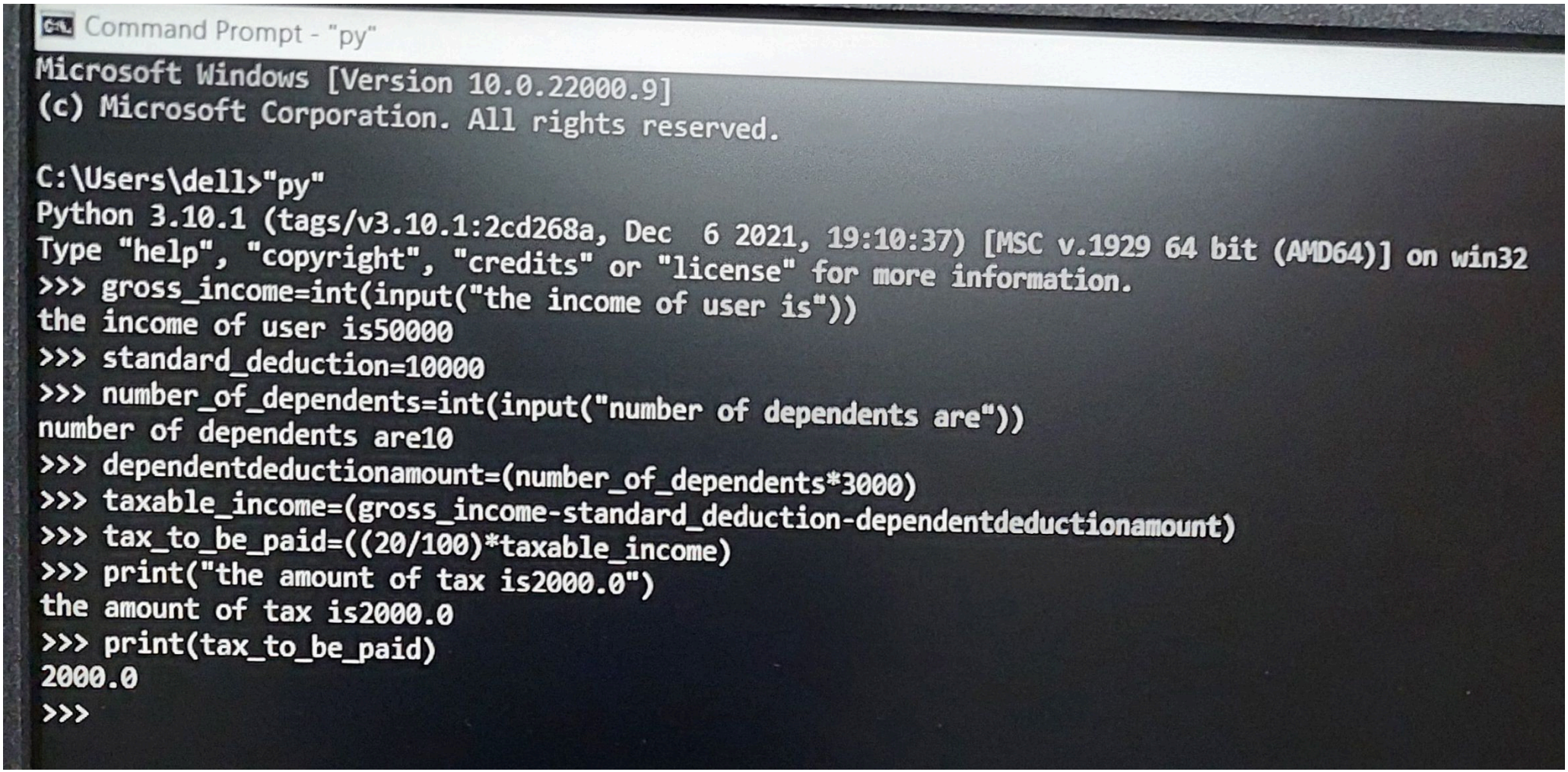
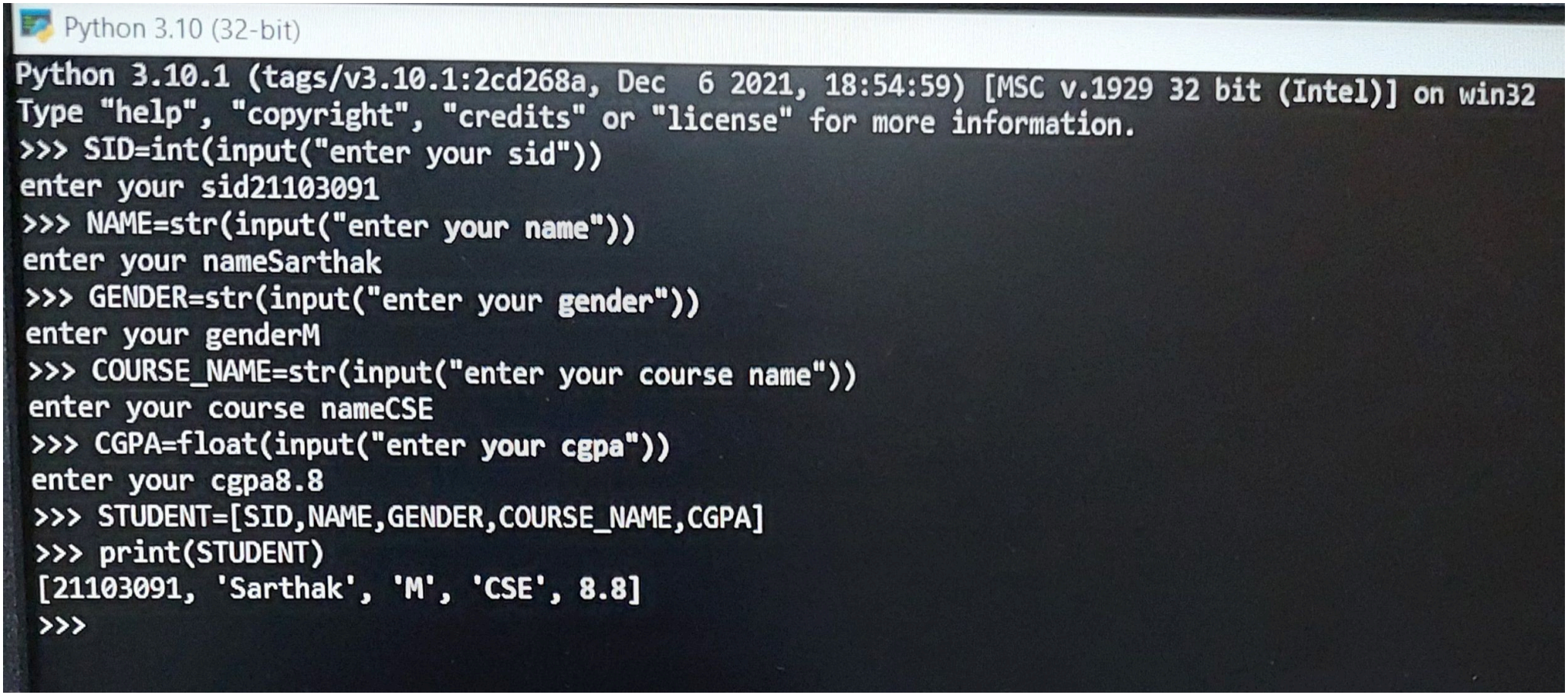
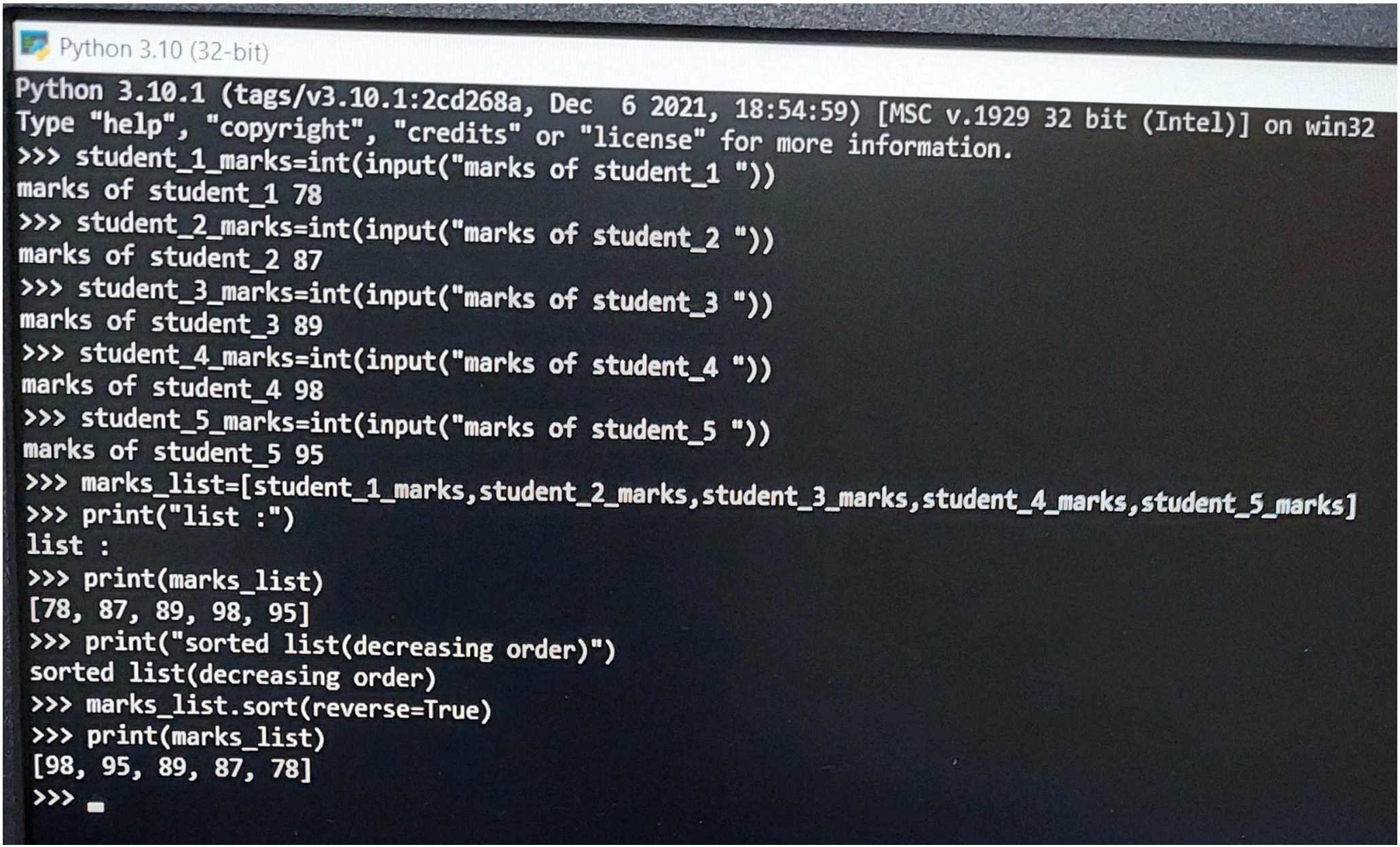
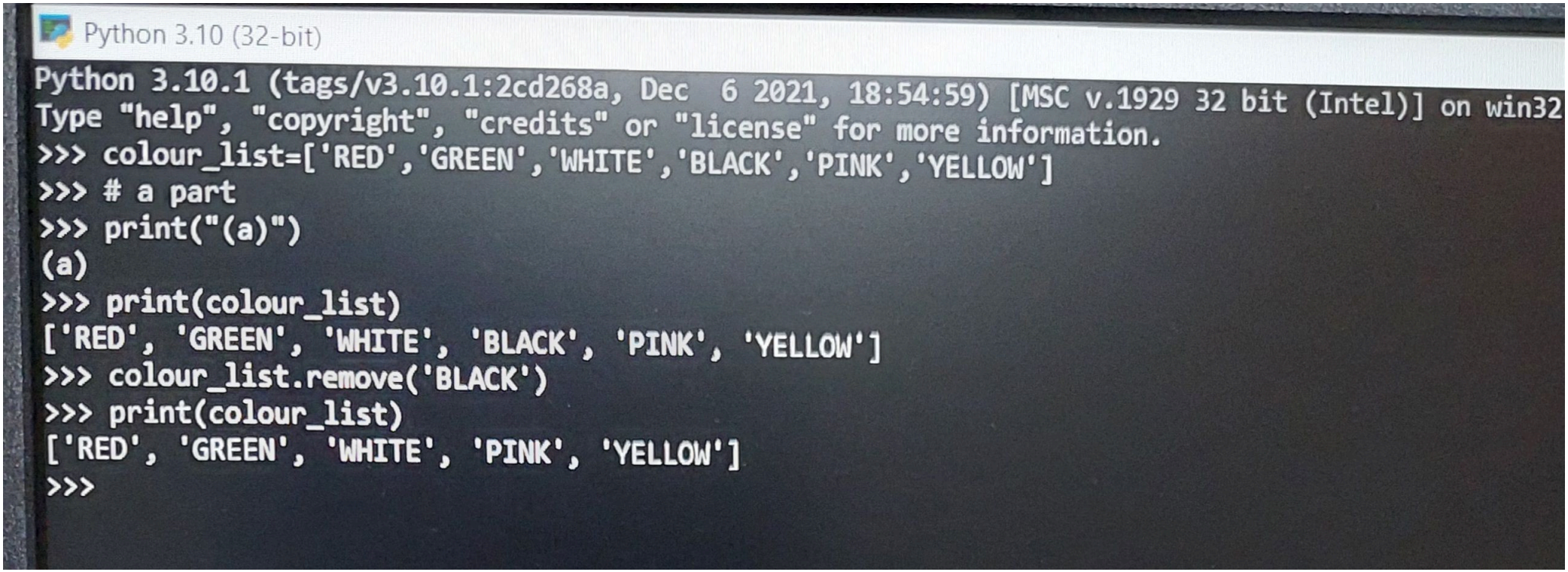
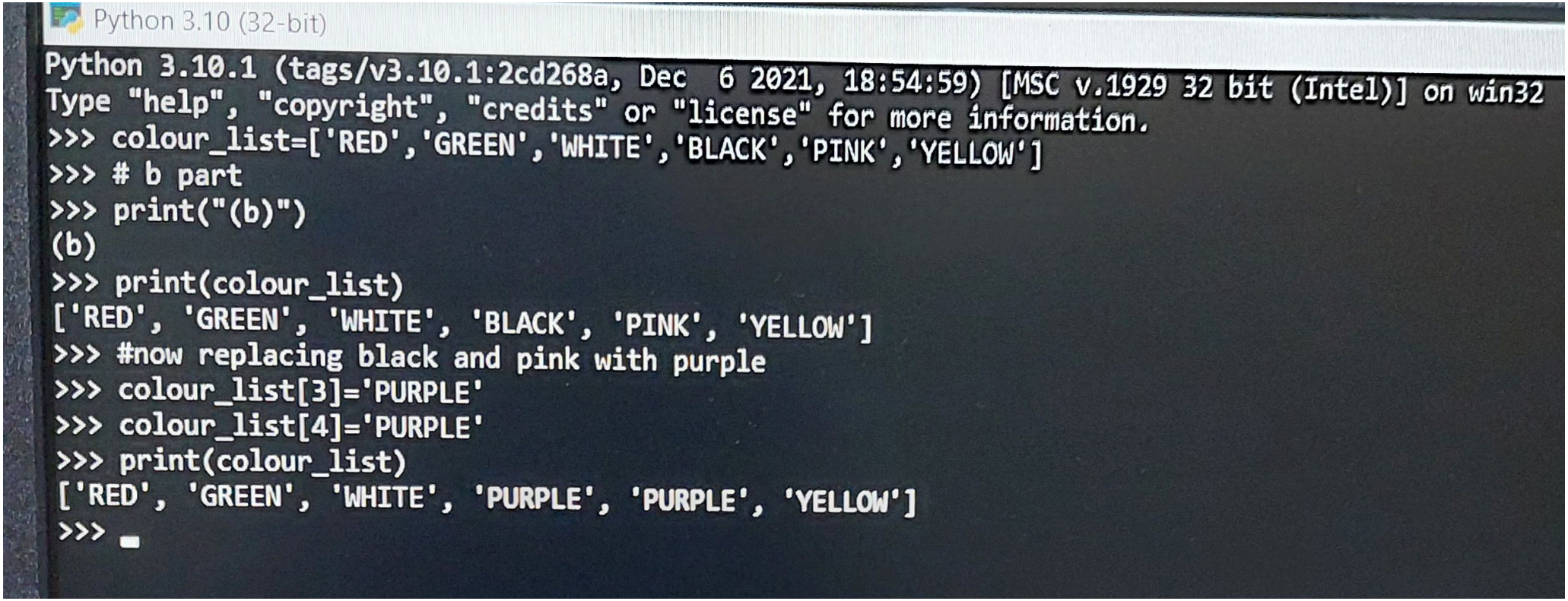

Command Prompt - "py"
Microsoft Windows [Version 10.0.22000.9]
(c) Microsoft Corporation. All rights reserved.
C:\Users\dell>"py"
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> a=int(input("the value of a is"))
the value of a is7
>>> b=int(input("the value of b is"))
the value of b is6
>>> c=int(input("the value of c is"))
the value of c is8
>>> avg=((a+b+c)/3)
>>> print(avg)
7.0
>>>


Command Prompt - "py"
Microsoft Windows [Version 10.0.22000.9]
(c) Microsoft Corporation. All rights reserved.
C:\Users\dell>"py"
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 19:10:37) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> gross_income=int(input("the income of user is"))
the income of user is50000
>>> standard_deduction=10000
>>> number_of_dependents=int(input("number of dependents are"))
number of dependents are10
>>> dependentdeductionamount=(number_of_dependents*3000)
>>> taxable_income=(gross_income-standard_deduction-dependentdeductionamount)
>>> tax_to_be_paid=((20/100)*taxable_income)
>>> print("the amount of tax is2000.0")
the amount of tax is2000.0
>>> print(tax_to_be_paid)
2000.0
>>>


Python 3.10 (32-bit)
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 18:54:59) [MSC v.1929 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> SID=int(input("enter your sid"))
enter your sid21103091
>>> NAME=str(input("enter your name"))
enter your nameSarthak
>>> GENDER=str(input("enter your gender"))
enter your genderM
>>> COURSE_NAME=str(input("enter your course name"))
enter your course nameCSE
>>> CGPA=float(input("enter your cgpa"))
enter your cgpa8.8
>>> STUDENT=[SID,NAME,GENDER,COURSE_NAME,CGPA]
>>> print(STUDENT)
[21103091, 'Sarthak', 'M', 'CSE', 8.8]
>>>


Python 3.10 (32-bit)
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 18:54:59) [MSC v.1929 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> student_1_marks=int(input("marks of student_1 "))
marks of student_1 78
>>> student_2_marks=int(input("marks of student_2 "))
marks of student_2 87
>>> student_3_marks=int(input("marks of student_3 "))
marks of student_3 89
>>> student_4_marks=int(input("marks of student_4 "))
marks of student_4 98
>>> student_5_marks=int(input("marks of student_5 "))
marks of student_5 95
>>> marks_list=[student_1_marks,student_2_marks,student_3_marks,student_4_marks,student_5_marks]
>>> print("list :")
list :
>>> print(marks_list)
[78, 87, 89, 98, 95]
>>> print("sorted list(decreasing order)")
sorted list(decreasing order)
>>> marks_list.sort(reverse=True)
>>> print(marks_list)
[98, 95, 89, 87, 78]
>>>


Python 3.10 (32-bit)
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 18:54:59) [MSC v.1929 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> colour_list=['RED','GREEN','WHITE','BLACK','PINK','YELLOW']
>>> # a part
>>> print("(a)")
(a)
>>> print(colour_list)
['RED', 'GREEN', 'WHITE', 'BLACK', 'PINK', 'YELLOW']
>>> colour_list.remove('BLACK')
>>> print(colour_list)
['RED', 'GREEN', 'WHITE', 'PINK', 'YELLOW']
>>>


Python 3.10 (32-bit)
Python 3.10.1 (tags/v3.10.1:2cd268a, Dec 6 2021, 18:54:59) [MSC v.1929 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> colour_list=['RED','GREEN','WHITE','BLACK','PINK','YELLOW']
>>> # b part
>>> print("(b)")
(b)
>>> print(colour_list)
['RED', 'GREEN', 'WHITE', 'BLACK', 'PINK', 'YELLOW']
>>> #now replacing black and pink with purple
>>> colour_list[3]='PURPLE'
>>> colour_list[4]='PURPLE'
>>> print(colour_list)
['RED', 'GREEN', 'WHITE', 'PURPLE', 'PURPLE', 'YELLOW']
>>>