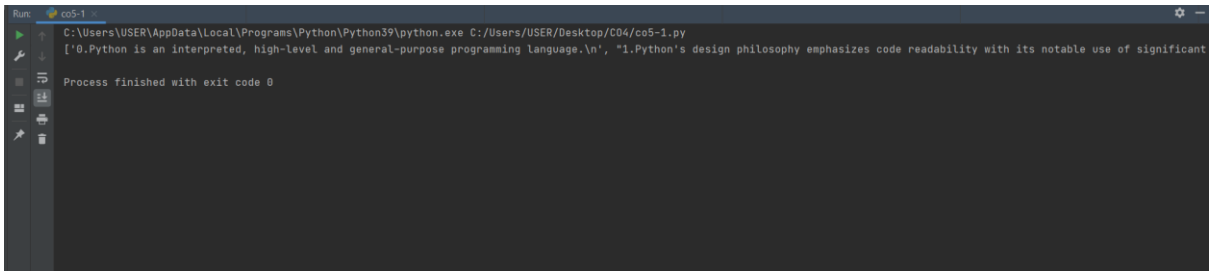
**Course Outcome 5 (CO5):**

1. Write a Python program to read a file line by line and store it into a list.

```
def file_read(fname):
    with open(fname) as f:
        c=f.readlines()
        print(c)

file_read("demo.txt")
```

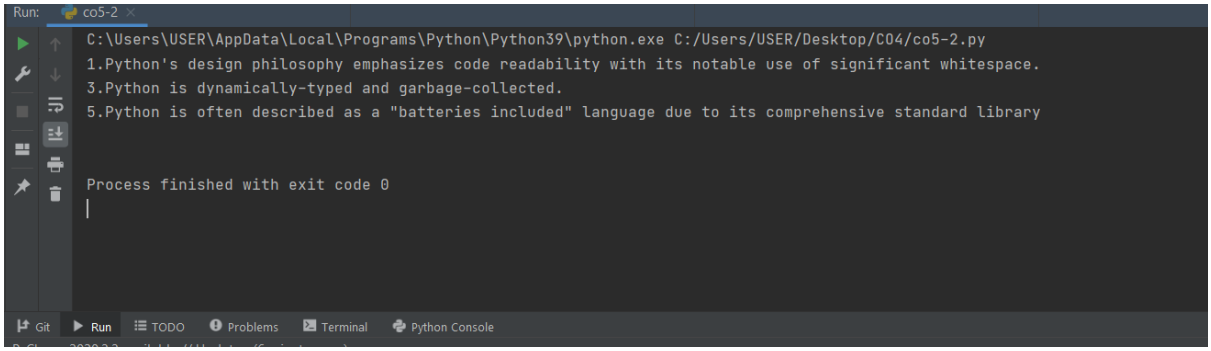
**OUTPUT**




2. Python program to copy odd lines of one file to other

```
a=open('demo.txt','r')

b=open('t.txt','w')

c=a.readlines()

for i in range(0,len(c)):
    if(i%2!=0):
        b.write(c[i])
    else:
        pass
b.close()
b=open('t.txt','r')
d=b.read()
print(d)
a.close()
b.close()
```

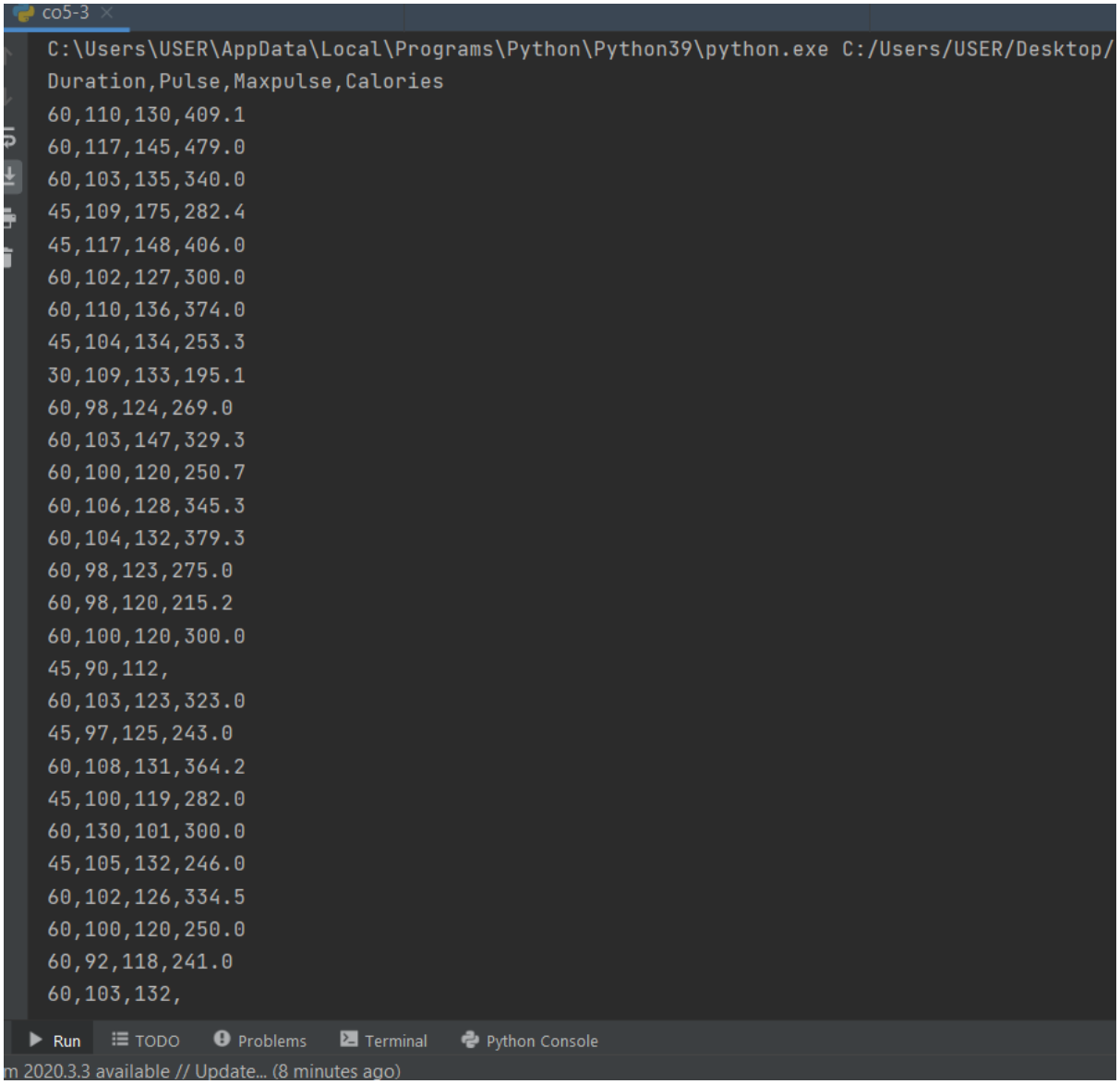
**OUTPUT**




3. Write a Python program to read each row from a given csv file and print a list of strings.

```
import csv
with open('data.csv',newline='') as csvfile:
    d=csv.reader(csvfile,delimiter=' ',quotechar='|')
    for r in d:
        print(','.join(r))
```

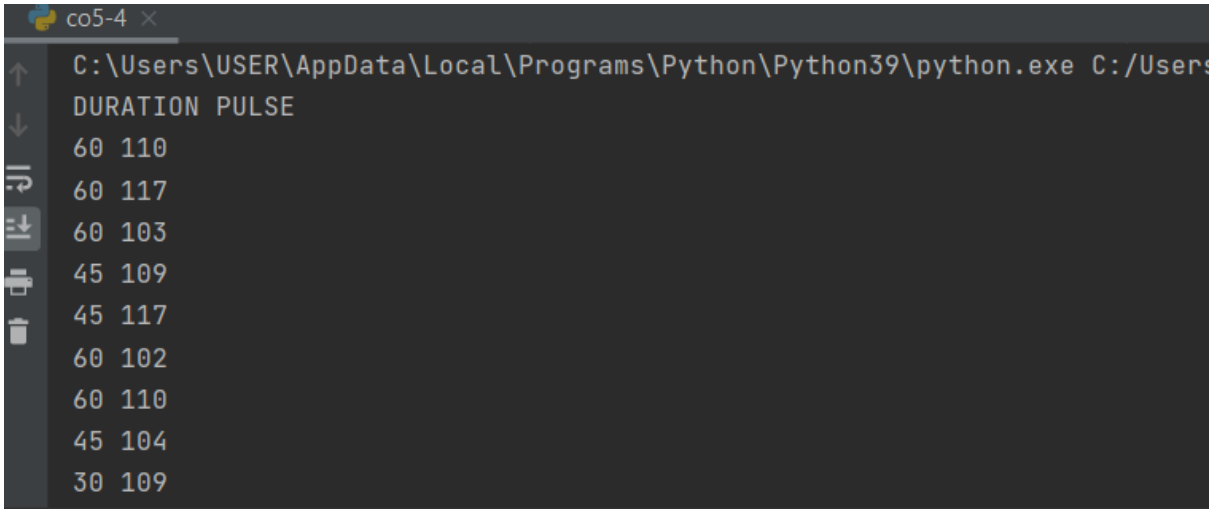
**OUTPUT**




4. Write a Python program to read specific columns of a given CSV file and print the content of the columns.

```
import csv
with open('data.csv',newline='') as csvfile:
    d=csv.DictReader(csvfile)
    print("DURATION PULSE")
    for r in d:
        print(r['Duration'],r['Pulse'])
```

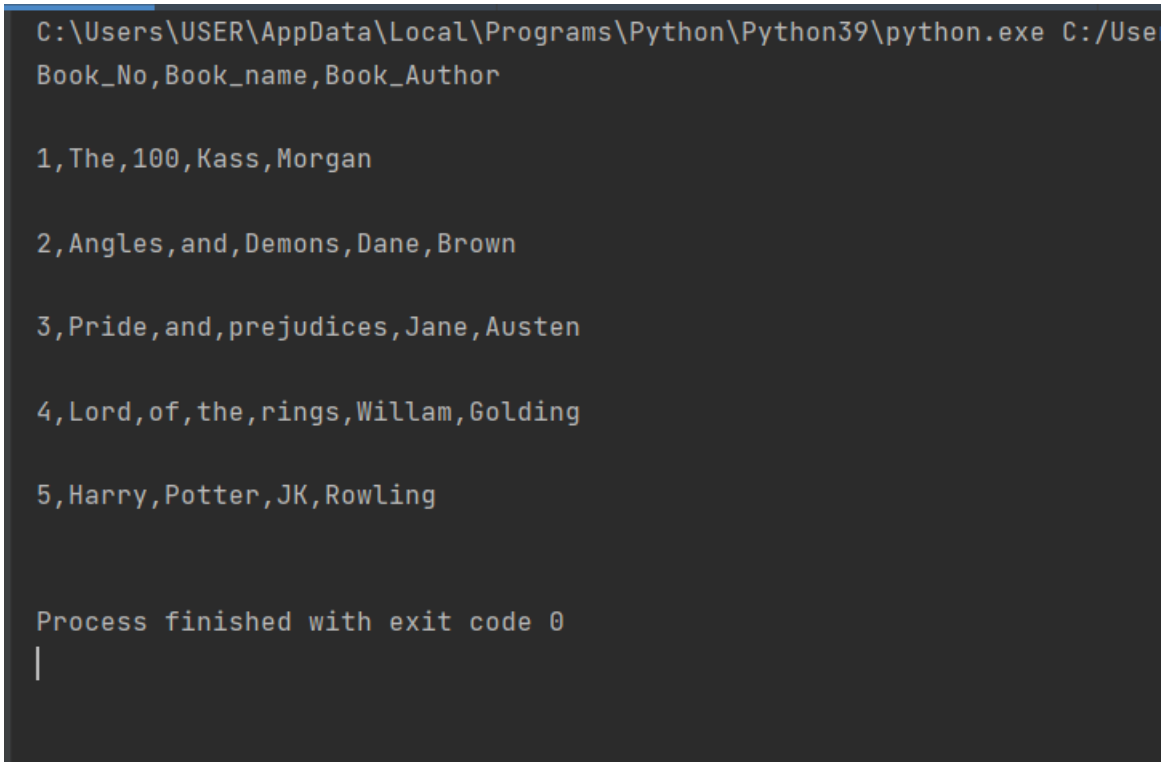
**OUTPUT**




5. Write a Python program to write a Python dictionary to a csv file. After writing the CSV file read the CSV file and display the content.

```
import csv

field_names = ['Book_No', 'Book_name', 'Book_Author']

book = [
    {'Book_No': 1, 'Book_name': 'The 100', 'Book_Author': 'Kass
Morgan'},
    {'Book_No': 2, 'Book_name': 'Angles and Demons', 'Book_Author':
'Dane Brown'},
    {'Book_No': 3, 'Book_name': 'Pride and prejudices', 'Book_Author':
'Jane Austen'},
    {'Book_No': 4, 'Book_name': 'Lord of the rings','Book_Author':
'Willam Golding'},
    {'Book_No': 5, 'Book_name': 'Harry Potter', 'Book_Author': 'JK
Rowling'},
]

with open('Books.csv', 'w') as csvfile:
    writer = csv.DictWriter(csvfile, fieldnames=field_names)
    writer.writeheader()
    writer.writerows(book)

with open('Books.csv', newline='') as csvfile:
    d = csv.reader(csvfile,delimiter=' ')
    for r in d:
        print(','.join(r))
```

**OUTPUT**


C:\Users\USER\AppData\Local\Programs\Python\Python39\python.exe C:/Use
Book_No,Book_name,Book_Author
1,The,100,Kass,Morgan
2,Angles,and,Demons,Dane,Brown
3,Pride,and,prejudices,Jane,Austen
4,Lord,of,the,rings,Willam,Golding
5,Harry,Potter,JK,Rowling
Process finished with exit code 0