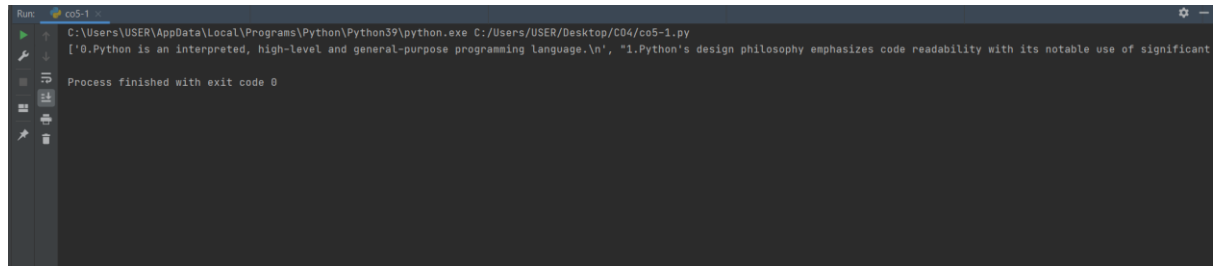


Course Outcome 5 (CO5):

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")
```

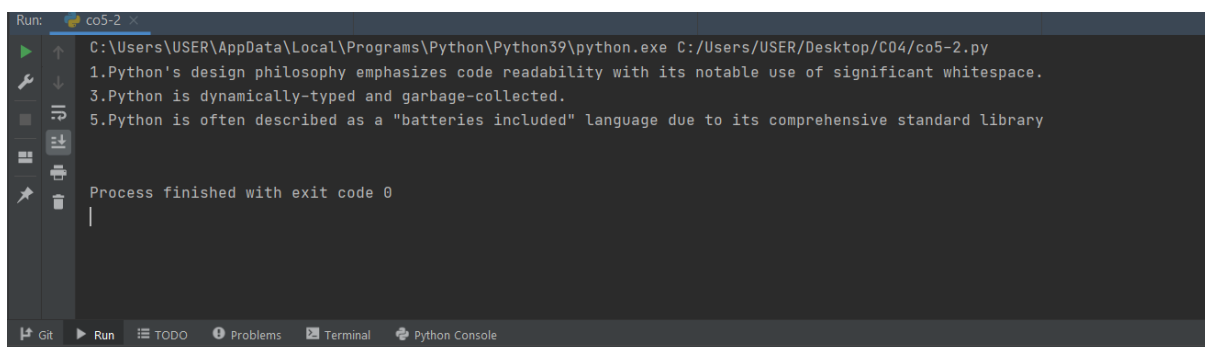
OUTPUT



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

```
co5-3 x
C:\Users\USER\AppData\Local\Programs\Python\Python39\python.exe C:/Users/USER/Desktop/
Duration,Pulse,Maxpulse,Calories
60,110,130,409.1
60,117,145,479.0
60,103,135,340.0
45,109,175,282.4
45,117,148,406.0
60,102,127,300.0
60,110,136,374.0
45,104,134,253.3
30,109,133,195.1
60,98,124,269.0
60,103,147,329.3
60,100,120,250.7
60,106,128,345.3
60,104,132,379.3
60,98,123,275.0
60,98,120,215.2
60,100,120,300.0
45,90,112,
60,103,123,323.0
45,97,125,243.0
60,108,131,364.2
45,100,119,282.0
60,130,101,300.0
45,105,132,246.0
60,102,126,334.5
60,100,120,250.0
60,92,118,241.0
60,103,132,
```

Run TODO Problems Terminal Python Console

m 2020.3.3 available // Update... (8 minutes ago)

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

```
co5-4 x
C:\Users\USER\AppData\Local\Programs\Python\Python39\python.exe C:/Users
DURATION PULSE
60 110
60 117
60 103
45 109
45 117
60 102
60 110
45 104
30 109
```

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
```

```
|
```