**COURSE OUTCOME 5**

**Date: 16/10/2023**

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

**Program:**

**co5demo.txt**

**hello...**

**How are you?**

**I'am fine**

**Thanks**

**good morning**

**good evening**

**stud.py**

**with open("co5demo.txt")as f:**

**slist=f.readlines()**

**print(slist)**

**slist=[x.strip() for x in slist]**

**print("The content of the file are...")**

**print(slist)**

**Output:**

**['hello...\n', 'How are you?\n', "I'am fine\n", 'Thanks\n', 'good morning\n', 'good evening\n']**

**The content of the file are...**

**['hello...', 'How are you?', "I'am fine", 'Thanks', 'good morning', 'good evening']**

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**2. Write a Python program to copy odd and even lines from one file to another.**

**Program:**

**Co5\_2.py(main)**

**sfile=open('co5demo.txt','r')**

**ofile=open('odd.txt','w')**

**efile=open('even.txt','w')**

**content=sfile.readlines()**

**print("the contents are...")**

**print(content)**

**for i in range (len(content)):**

**if(i%2 == 0):**

**efile.write(content[i])**

**else:**

**ofile.write(content[i])**

**sfile.close()**

**ofile.close()**

**efile.close()**

**co5demo.txt**

**hello...**

**How are you?**

**I'am fine**

**Thanks**

**good morning**

**good evening**

**Output:**

**Odd.txt**

**How are you?**

**Thanks**

**good evening**

**Even.txt**

**hello...**

**I'am fine**

**good morning**

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

**Program:**

**import csv**

**with open("emp.csv",'r')as efile:**

**data=csv.reader(efile)**

**for i in data:**

**print(i)**

**Output:**

**['rollno', 'name', 'age']**

**['1', 'sahala', '21']**

**['13', 'muhammed', '24']**

**['3', 'reja', '25']**

**['4', 'sherin', '54']**

**['5', 'suhana', '40']**

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

**Program:**

**import csv**

**n=int(input("Enter the line number : "))**

**with open("emp.csv",'r') as f:**

**data=list(csv.reader(f))**

**print(data[n])**

**Output:**

**Enter the line number : 2**

**['1', 'sahala', '21']**

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**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.**

**Program:**

**import csv**

**import pandas**

**field=['rollno','age','name']**

**sdict=[{'rollno':55,'age':21,'name':'sahala'},**

**{'rollno':13,'age':24,'name':'muhammed'}]**

**with open("dpt.csv",'w')as dfile:**

**writer=csv.DictWriter(dfile,fieldnames=field)**

**writer.writeheader()**

**writer.writerows(sdict)**

**data=pandas.read\_csv("dpt.csv")**

**print(data)**

**Output:**

**mits@mits-HP-280-Pro-G6-Microtower-PC:~/Desktop/sahala$ python3 co5\_5.py**

**rollno age name**

**0 55 21 sahala**

**1 13 24 muhammed**

**mits@mits-HP-280-Pro-G6-Microtower-PC:~/Desktop/sahala$**