

**SREE NARAYANA GURUKULAM COLLEGE OF  
ENGINEERING**

**KADAYIRUPPU, KOLENCHERY 682 311**

**(Affiliated to APJ Abdul Kalam Technological University)**

**ACADEMIC YEAR 2021-23**



**MCA PROGRAMMING LABORATORY RECORD**

*Submitted by*

**ASWIN M R**

**REG NO: SNG21MCA-2009**

*in partial fulfillment for the award of the degree in*

***MASTER OF COMPUTER APPLICATIONS***

**SREE NARAYANA GURUKULAM COLLEGE OF  
ENGINEERING**

**KADAYIRUPPU, KOLENCHERY 682 311**

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**MCA PROGRAMMING LABORATORY RECORD**

*Certified that this is a Bonafide record of practical work done by **ASWIN M R** to the APJ Abdul Kalam Technological University in partial fulfillment of the requirements for the award of the Degree in Master of Computer Applications of Sree Narayana Gurukulam College of Engineering done during the Academic year 2021-23*

Kadayiruppu

Course Instructor

Date:.....

Head of the Department

**Prof. Dr. SANDHYA R**

Submitted for University Practical Examination

**Reg No: SNG21MCA-2009**      on \_ \_ \_ \_ \_

External Examiner

Internal Examiner

SL NO.	DATE	NAME OF EXPERIMENT	PAGE NO.	REMARK
<b>I</b>	<b>CO1</b>			
1	24/11/21	Familiarizing Text Editor, IDE, Code Analysis Tools etc	1	
2	24/11/21	Leap Year	3	
3	24/11/21	List comprehensions	4	
4	24/11/21	occurrences of each word	6	
5	24/11/21	Prompt the user for a list of integers.	7	
6	24/11/21	Store a list of first names.	8	
7	24/11/21	Checking list are of same length,sums to same value,any value occur in both	9	
8	24/11/21	Get a string from an input string and replacing a character	11	
9	24/11/21	Create a string from given string where first and last characters exchanged.	12	
10	24/11/21	Accept the radius from user and find area of circle	13	
11	29/11/21	Find biggest of 3 numbers entered	14	
12	29/11/21	Accept a file name from user and print extension of that	15	
13	29/11/21	Create a list of colors,Display first and last colors.	16	
14	29/11/21	Accept an integer n and compute n+nn+nnn	17	
15	29/11/21	Print out all colors from color-list1 not contained in color-list2	18	
16	29/11/21	Create a single string separated with space from two strings by swapping the character at position 1.	19	
17	29/11/21	Sort dictionary in ascending and descending order	20	

18	29/11/21	Merge two dictionaries	21	
19	29/11/21	Find gcd of 2 numbers.	22	
20	29/11/21	From a list of integers, create a list removing even numbers.	23	
II	CO2			
1	01/12/21	Program to find the factorial of a number	24	
2	01/12/21	Generate Fibonacci series of N terms	25	
3	01/12/21	Find the sum of all items in a list	26	
4	01/12/21	Generate a list of four digit numbers in a given range with all their digits even and the number is a perfect square.	27	
5	01/12/21	Display the given pyramid with step number accepted from user	28	
6	01/12/21	Count the number of characters (character frequency) in a string	29	
7	08/12/21	Add 'ing' at the end of a given string. If it already ends with 'ing', then add 'ly'	30	
8	08/12/21	Accept a list of words and return length of longest word	31	
9	08/12/21	Construct pattern using nested loop	32	
10	08/12/21	Generate all factors of a number. def print_factors(x):	33	
11	08/12/21	Write lambda functions to find area of square, rectangle and triangle.	34	
III	CO3			
1	15/12/21	Work with built-in packages	35	
2	15/12/21	Creation of packages	41	
IV	CO4			

<b>1</b>	<b>09/01/22</b>	<b>Compare two Rectangle objects by their area</b>	<b>44</b>	
<b>2</b>	<b>09/01/22</b>	<b>Create a Bank account with members account number, name, type of account and balance.</b>	<b>46</b>	
<b>3</b>	<b>09/01/22</b>	<b>Overload '&lt;' operator to compare the area of 2 rectangles.</b>	<b>50</b>	
<b>4</b>	<b>09/01/22</b>	<b>Overload '+' operator to find sum of 2 time</b>	<b>52</b>	
<b>5</b>	<b>09/01/22</b>	<b>Use base class constructor invocation and method overriding.</b>	<b>54</b>	
<b>V</b>	<b>CO5</b>			
<b>1</b>	<b>30/01/22</b>	<b>Write a Python program to read a file line by line and store it into a list.</b>	<b>56</b>	
<b>2</b>	<b>30/01/22</b>	<b>Python program to copy odd lines of one file to other</b>	<b>57</b>	
<b>3</b>	<b>30/01/22</b>	<b>Write a Python program to read each row from a given csv file and print a list of strings.</b>	<b>58</b>	
<b>4</b>	<b>30/01/22</b>	<b>Write a Python program to read specific columns of a given CSV file</b>	<b>59</b>	
<b>5</b>	<b>30/01/22</b>	<b>Write a Python program to write a Python dictionary to a csv file.</b>	<b>60</b>	