RAJALAKSHMI ENGINEERING COLLEGE

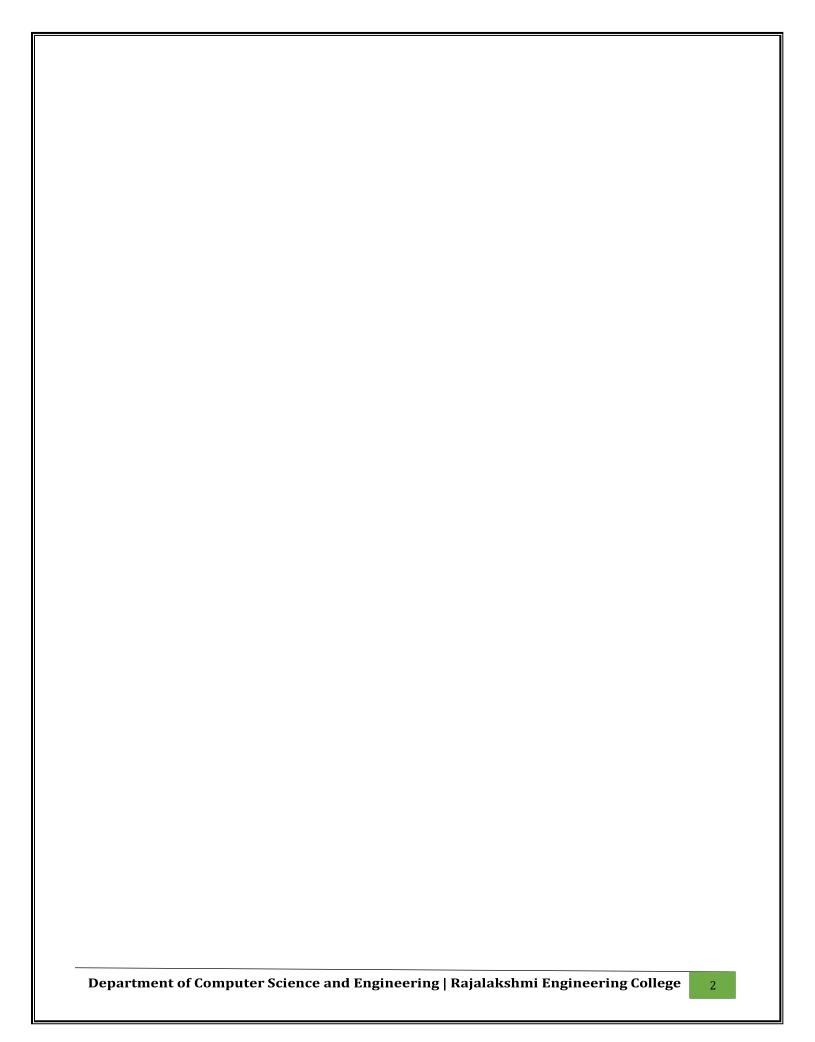
RAJALAKSHMI NAGAR, THANDALAM - 602 105



CS23221 PYTHON PROGRAMMING LAB

Laboratory Observation Notebook

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01 - In	troduction to Python	-Variables-Datatypes
	Input/Output-F	ormatting

Sample Output: 10,<class 'int'>

10.9,<class 'float'>

Input	Result
10	10, <class 'int'=""></class>
10.9	10.9, <class 'float'=""></class>

Ex. No. :	1.1	Date:
Register No.:	230701363	Name: THEEPAK PALANI KUMAR D
	Convertion	ng Input Strings
	ı to convert strings to	an integer and float and display its type.
Sample Input: 10		
10.9		

Program: a=int(input()) b=float(input())

b=round(b,1)

print(a,s,sep=',')

print(b,p,sep=',')

Sample Input:

10000

Sample Output:

16000

Input	Result
10000	16000

Ex. No. : 1.2 Date:

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Gross Salary

Ramesh's basic salary is input through the keyboard. His dearness allowance is 40% of his basic salary, and his house rent allowance is 20% of his basic salary. Write a program to calculate his gross salary.

Program:

a=int(input())

s=(20/100)*a

p=(40/100)*a

c=int(s+p)+a

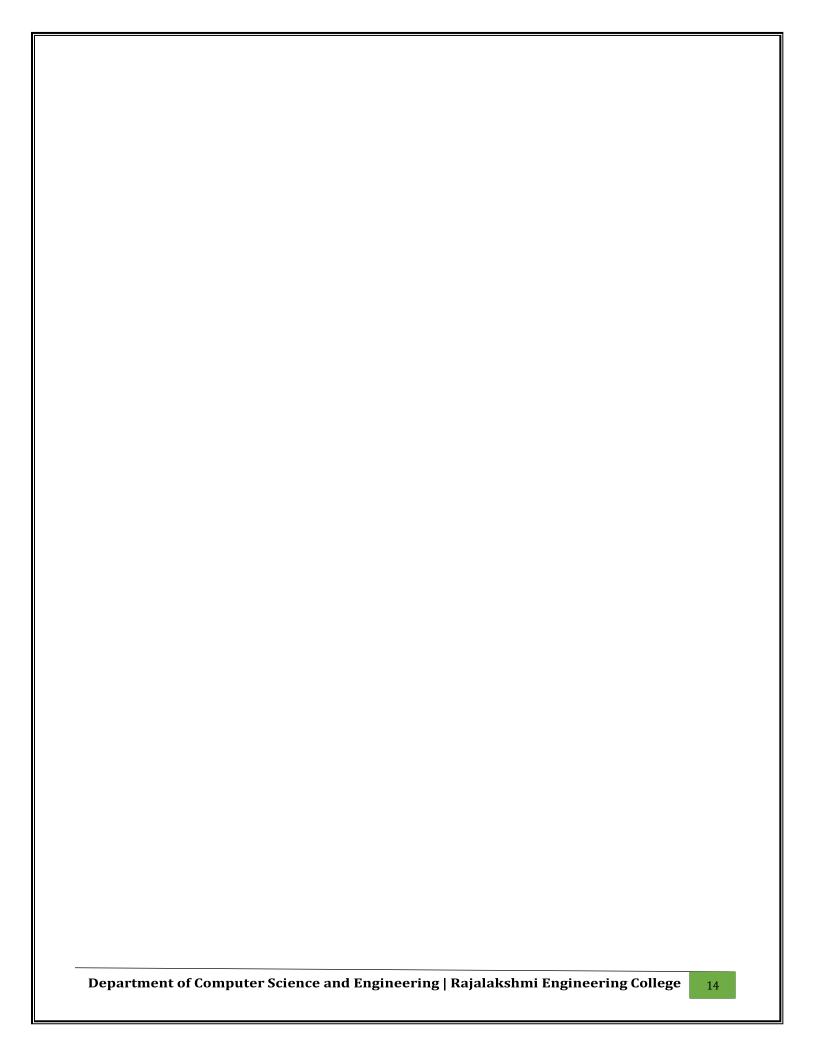
print(c)

Sample Input: 8.00

Sample Output:

2.828

Input	Result
14.00	3.742



Ex. No. : 1.3 Date:

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Square Root

Write a simple python program to find the square root of a given floating point number. The output should be displayed with 3 decimal places.

Program:

k=float(input())

m=(k**.5)

print("%.3f"%m)

Input Format:

The first line contains the Rs X

The second line contains Rs Y

The third line contains Rs Z

Sample Input:

10000

250

15000

Sample Output:

46.34 is the gain percent.

Input	Result
45500 500 60000	30.43 is the gain percent.

Ex. No. : 1.4 Date:

Register No.: 230701363 Name: THEEPAK PALANI KUMAR D

Gain percent

Alfred buys an old scooter for Rs. X and spends Rs. Y on its repairs. If he sells the scooter for Rs. Z (Z>X+Y). Write a program to help Alfred to find his gain percent. Get all the above-mentioned values through the keyboard and find the gain percent.

Program:

```
x=int(input())
y=int(input())
z=int(input())
a=x+y
c=z-a
pinky=(c/a)*100
print("%.2f"%pinky , "is the gain percent.")
```