ST.JOSEPH'S
COLLEGE OF ENGINEERING AND TECHNOLOGY,
- P A L A I -

SJCET
PALAI

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Assignment No :1

Course	: B.Tech	Course Code	: EST 102
Course Name	: Programming in C	Year & Semester	: 1st Year, 2

Academic Year: 2023-2024

For even Roll Numbers:

Sno	Question	CO, K level	Marks
1	Write the pseudo code for the C program ,which Input date, month and year from the user, and using switch case, display in worded format. e.g. input: d=16, m=7, y=1992 output: 16th July, 1992	**CO1,K3**	**3**
2	Write a C program to print the following pattern: a) 1 1 2 1 2 3 1 2 3 4 1 2 3 4 5 b) 1 2 2 3 3 3 4 4 4 4 5 5 5 5 5	**CO2,K3**	**4**
3	Write a C program to display and find the sum of the series 1+11+111+....111 upto n. For eg. if n=4, the series is : 1+11+111+1111. Take the value of 'n' as input from the user.	**CO2,K3**	**3**
4	Write a C program to accept the basic salary of an employee from the user. Calculate the gross salary on the following basis: Basic HRA DA 1 - 4000 10% 50% 4001 - 8000 20% 60% 8001 - 12000 25% 70% 12000 and above 30% 80%	**CO2,K3**	**5**

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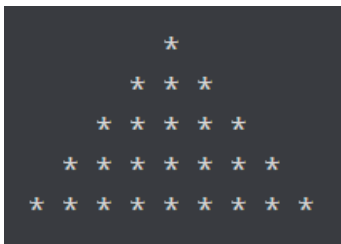
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course : B.Tech   Course Code : EST 102

Course Name : Programming in C   Year & Semester : 1st Year, 2

Academic Year: 2023-2024

For Odd Numbers:

Sno	Question	CO, K level	Marks
1	Write the pseudo code for the C program ,which Input Write a program to print the series 100, 95 , 90, 85,………., 5.	CO1,K3	3
2	Write a C program to print the following pattern: a) b)	CO2,K3	4
3	Write a C program to display and find the sum of the series 2+22+222+….222 upto n. For eg. if n=4, the series is : 2+22+222+2222. Take the value of 'n' as input from the user.	CO2,K3	3
4	Write a C program to accept the basic salary of an employee from the user. Calculate the gross salary on the following basis: Basic HRA DA 1 - 4000 10% 50% 4001 - 8000 20% 60% 8001 - 12000 25% 70% 12000 and above 30% 80%	CO2,K3	5