



SISTER NIVEDITA UNIVERSITY
ASSIGNMENT
Academic Year: 2019-20 ODD SEMESTERS
Course: B.Tech in CSE/ CSBS
Title: C Programming Lab

| Assignment No. | Title | Week No. |
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| 1. | Basic C Programming: <ol style="list-style-type: none">1. Write a C program to add between two numbers.2. Write a C program to subtract between two numbers.3. Write a C program to multiply between two numbers.4. Write a C program to divide between two numbers.5. Write a C program to find area of a triangle, Square, Rectangle.6. Write a C program to calculate area and circumferences of circle.7. Write a C program to swap between two numbers using third variable.8. Write a C program to swap between two numbers without using third variable.9. Write a C program to calculate no of days, months and years from the total number of days. | 1-2 |
| 2. | Simple Programs on if-else statement and switch case: <ol style="list-style-type: none">1. Write a C program to check if a number is even or odd.2. Write a C program to find greater among two numbers.3. Write a C program to check a number is divisible by 2 and 3 or not.4. Write a C program to check a number is divisible by 3 and 5 or not.5. Write a C program to check the greatest among 3 numbers.6. Write a C program to check the greatest among 3 numbers using conditional operator. | 2-3 |

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| | <ol style="list-style-type: none"> 7. Write a C program to check a year is leap year or not. 8. Write a C program to check a person is adult or not. 9. Write a C program to calculate the electric bill amount, according to the given chart <ul style="list-style-type: none"> 1 - 100 unit - 5/- 101-200 unit - 7/- 201-300 unit - 10/- above 300 unit-15/- 10. Write a C program to calculate the student grade. If percentage ≥ 90 print O grade, If percentage ≥ 80 print A grade, If percentage ≥ 70 print B grade, If percentage ≥ 60 print C grade, If percentage ≥ 50 D grade, otherwise print fail. 11. Write a C program to calculate the student grade using switch case. 12. Write a C program to convert the temperature from Celsius to Fahrenheit and vice versa. 13. Write a C program to calculate addition, subtraction, multiplication, division using switch case. 14. Write a C program to calculate the number of days in a year using switch case. | |
| 3. | Simple programs using Loop and Inner Loop: <ol style="list-style-type: none"> 1. Write a C program to print "Welcome" 10 times using while loop. 2. Write a C program to print n natural numbers using while loop. 3. Write a C program to print n natural numbers using do-while loop. 4. Write a C program to print n natural numbers using for loop. 5. Write a C program to print all odd numbers in a given range. 6. Write a C program to add first n numbers using while loop. 7. Write a C program to print all numbers in a given range which are divisible by 3 or 5 using while loop. 8. Write a C program to print all numbers in a given range which are divisible by 3 and 5 using do-while loop. 9. Write a C program to add all even numbers in a given range. 10. Write a C program to calculate the factorial of a given number. 11. Write a C program to find a number is prime or not. 12. Write a C program to find the reverse of a given number. 13. Write a C program to add all the digits of a given number. 14. Write a C program to print all the Fibonacci series up to a given range. 15. Write a C program to find a number is Armstrong or not. 16. Write a C program to find a number is palindrome or not. 17. Write a C program to find a number is Peterson or not. | 3-4 |