

Assignment: 5

1. WAP to calculate simple interest using function.
 - i. With function returning values and passing arguments
 - ii. With function returning values and passing no argument
 - iii. With function returning no values and passing arguments
 - iv. With function returning no values and passing no arguments
2. WAP to find surface area of box using function.
3. WAP to find maximum of two number using function.
4. WAP a program to find smallest of three number using function.
5. Write a program to find factorial of number using function.
6. WAP to find HCF of two number using function.
7. Write a program to reverse a number using function.
8. WAP to check whether a number is Armstrong or not.
9. WAP to find roots of quadratic equation using function. Use function findroots() which receive three coefficient a,b,c of equation as arguments and display roots.
10. WAP a program to calculate base raised to the power by using function.
11. WAP that uses function **isprime()** for testing whether a number is prime or not.
12. Write a program using function to print line of 50 asterisk.
13. Write a program to display following triangle of asterisk of N lines using function.

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    *****
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14. WAP to find largest of N numbers using function.
15. WAP to find smallest of N numbers using function.
16. WAP to arrange list of numbers in ascending order using function.(using bubble sort or selection sort)
17. Write a program to add two matrices using user defined function. User read() function to read element of matrix, display() element of matrix in matrix form and add() function to add matrices.
18. Write a program to multiply two matrices using function.
19. WAP to find factorial of number using recursion.
20. WAP to find sum of first N natural number using recursion.
21. WAP to find product of two natural numbers using recursion.

22. WAP to find HCF of two numbers using recursive definition.
23. WAP to generate first n terms of Fibonacci series using recursive function to return Nth term of series.
24. WAP to calculate power of base using recursion.