Variable Declaration

1. Write a program ro declare integer, character, float, double, boolean and display.
2. Write a program to print "Hello world".
3. Write a program to print sum of two numbers then display it.
4. Write a program to find difference of two humbers.
5. Write a program to find cube of a number.
6. Write a program to swap two numbers.
7. Write a program to find the factorial of a number.

if Statement

8. Find the largest of two numbers.
9. Find the largest of three numbers.
10. Check the given number is even or not;
11. Check the given number is odd or not.
12. Check the given number is divisible by 2 and 5(nested if).
13. Check the given number is amstrong or not.

Loops

14. Check the given number is palindrome or not.
15. Check the given number is prime or not.
16. Find the reverse of a given number.
17. Print given numbers into words.
18. Reverse a string.
19. Print fibonacci series.
20. Write a program prints Floyd's triangle.
21. Find the factorial of a given number.
22. Print the prime numbers upto a given limt.
23. Multiplication table of a given number.
24. Sum of 10 numbers.
25. Print days of week using switch.
26. Check your string is palindome or not.

Arrays

27. Accept 10 elements in arry with and without for loop.
28. Reverse of an array.
29. Sum of the elements in the array.
30. Addition of 2 arrays.
31. Find largest element in array.
32. Sort array in ascending order.
33. Search a element in an array.
34. Enter 2 array and check if 2 array are same or not.
35. Remove an element in array.
36. Display a 2x2 matrix.
37. Transpose of a matrix.
38. Sum of 2 matrix.
39. Multiplication of 3x3 matrix.
40. Check wether given two matrix are same or not.

QUEST
INNOVATIVE SOLUTIONS

41. If upper diagonal element is lower than lower diagonal element, then replace lower diagonal element with 1 else replace upper diagonal element with 0.

42. Write a program to find the ASCII value of a given letter.

43. The wind chill index (WCI) is calculated from the wind speed v in miles per hour and the temperature t in Fahrenheit. Three formulas are used, depending on the wind speed:

if (0 <= v <= 4) then WCI = t

if (v >=45) then WCI = 1.6t - 55

otherwise, WCI = 91.4 + (91.4 - t)(0.0203v - 0.304(v)1/2 − 0.474).

Write a program that can calculate the wind chill index.

44. Write a program that asks the user to enter an integer and determines whether it is divisible by 5 and 6, whether it is divisible by 5 or 6, and whether it is divisible by 5 or 6 but not both. For example, if your input is 10, the output should be:

Is 10 divisible by 5 and 6? false

Is 10 divisible by 5 or 6? true

Is 10 divisible by 5 or 6, but not both? true

45. MyJava Café wants you to write a program to take orders from the Internet. Your program asks for the item, its price, and if overnight shipping is wanted. Regular shipping for items under $10 is $2.00; for items $10 or more shipping is $3.00. For overnight delivery add $5.00. For example, the output might be:

Enter the item : Tuna Salad

Enter the price : 450

Overnight delivery (0==no, 1==yes): 1

Invoice: Tuna Salad   4.50

                Shipping   7.00

                Total   11.50

46. Write a program that allows the user to enter students' names followed by their test scores and outputs the following information (assume that maximum number of students is 50):

The average score.

Names of all students whose test scores are below the average, with an appropriate message.

Highest test score and the name of all students having the highest score.

Answer: Use 2 arrays to store the student names and scores respectively and then manipulate the array contents.

47. Declare a class in Your Programming language

48. Create ainstance of the class

49.   *   (Upside down also)
          *   *
        *   *   *
      *   *   *   *

50.   *   (Upside down also)
              *   *
            *   *   *
          *   *   *   *

51.   *   (Upside down also)
            *   *   *
          *   *   *   *
        *   *   *   *   *