**Level 0**

**Basic js Programming Examples**

1**- Write a program that allow to user enter number then print it**

**Example**

Input 5

Output 5

**2- Write a program to enter two numbers and find their sum.**

**Example**

Input 5, 5

Output 10

**3- Write a program to enter two numbers and perform all arithmetic operators .**

**Example**

Input : 20 10

Sum = 30

Sub = 10

Mult =200

Div =2

Mod =0

**4- Write a program to enter length and breadth of a rectangle and find it’s area . (Area=length\*width)**

**Example**

Input L=5 W=10

Output Area=50

**5- Write a program to enter radius of a circle and find its diameter ,circumference and area.**

**-Diameter =2\*radius | -Circumference =2\*3.14\*radius | -Area=3.14\*(radius\*radius)**

**Example**

Input 10

Output Diameter=20 ,Circumference=62.97 ,Area=314

**6- Write a program to enter temperature in Celsius and convert it into Fahrenheit .**

**Fahrenheit =( Celsius \*9/5)+32**

**Example**

Input :- Enter temperature in Celsius :100

Output :- 100 Celsius =212 Fahrenheit.

**7- Write a program to enter temperature in Fahrenheit and convert it into Celsius .**

**Celsius =( Fahrenheit- 32)\*5/9**

**Example**

Input :- Enter temperature in Fahrenheit:205

Output :- 100 Fahrenheit =96.11 Celsius.

**8- Write a program to convert days into years, weeks and days.**

**Example**

Input :- Enter days:373

Output :- Years:1 | Weeks: 1 | Days: 1

**9- Write a program to find power of any number x^y.**

**Example**

Input :- Enter base:5 | Enter exponent :3

Output :- 5^3 =125 .

**10- Write a program to enter any number and calculate it’s square root .**

**Example**

Input :- Enter any number :144

Output :- Square root of 144 = 12.

**11- Write a program to enter two angles of a triangle and find the third angle .**

**Example**

Input :- Enter two angles of triangle :60 30

Output :- Third angle of the triangle = 90.

**12- Write a program to enter base and height of a triangle and find it’s area .**

**Area =(base \*height)/2**

**Example**

Input :- Enter base of the triangle :10

Enter height of the triangle : 15

Output :- Area of the triangle = 75

**13- Write a program to calculate area of an equilateral triangle .**

**Area =( /4 )\*a^2**

**Example**

Input :- Enter side of an equilateral triangle :75

Output :- Area of equilateral triangle =2435.69

**14- Write a program to enter marks of five subjects and calculate total ,average and percentage .**

**Example**

Input :- Enter Marks of five subjects :

95

76

58

90

89

Output :-.Total marks = 435

Average Marks =87

Percentage =87

**If else Examples**

**15- Write a program to find maximum between two numbers.**

**Example**

Input :- Enter two numbers : 10 12

Output :- 12 is maximum.

**16- Write a program to find maximum between three numbers.**

**Example**

Input :- Enter three numbers : 10 12 15

Output :- 15 is maximum.

**17- Write a program to check whether a number is negative ,positive or zero .**

**Example**

Input :- Enter any number : -5

Output :-negative number .

**18- Write a program to check whether a number is divisible by 5 and 11 or not.**

**Example**

Input :- Enter any numbers : 55

Output :- Number is divisible by 5 and 11.

**19- Write a program to check whether a year is leap year or not.**

**Example**

Input :- Enter year: 2004

Output :-LEAP YEAR.

**20- Write a program to check whether a character is alphabet or not .**

**Example**

Input :- Enter any character :b

Output :- Character is an Alphabet.

**21- Write a program to input any alphabet and check whether It is vowel or consonant .**

**Example**

Input :- Enter two numbers : 10 12

Output :- 12 is maximum.

**22- Write a program to check whether a character is uppercase or lowercase alphabet.**

**23- Write a program to input week number and print week day .**

**24- Write a program to input month number and print number of days in that month.**

**25- Write a program to input of a triangle and check whether triangle is valid or not.**

**26- Write a program to input all sides of a triangle and check whether triangle is valid or not .**

**27- Write a program to check whether the triangle is equilateral ,isosceles or scalene triangle .**

**28- Write a program to input marks of five subjects**

**Physics ,Chemistry ,Biology ,Mathematics and Computer ,Find percentage and grade**

**Percentage >= 90% :Grad A**

**Percentage >= 80% :Grad B**

**Percentage >= 70% :Grad C**

**Percentage >= 60% :Grad D**

**Percentage >= 40% :Grad E**

**Percentage < 40% :Grad F**

**Switch Case Examples**

29-Write a program to input day of week name using switch case.

30- Write a program to print total number of days in month using switch case.

31- Write a program to check whether an alphabet is vowel or consonant using switch case.

32- Write a program to find maximum between two numbers using switch case .

33- Write a program to check whether a number is even or odd using switch case .

34- Write a program to check whether a number is positive or negative or zero using switch case.

35- Write a program to create Simple Calculator using switch case .

**Loop And Iteration Exercises**

36-Write a program to print all natural numbers from 1 to n.-using while loop .

37- Write a program to print all natural numbers in reverse from n to 1 –using while loop.

38- Write a program to print all alphabets from a to z- using while loop.

39- Write a program to print all even numbers between 1 to 100 .-using while loop .

40 -Write a program to print all odd number between 1 to 100 .

41- Write a program to find sum of all natural number between 1 to n.

42- Write a program to find sum of all even numbers between 1 to n.

43- Write a program to find sum of all odd numbers between 1 to n.

44- Write a program to print multiplication table of any number.

45- Write a program to count number of digits in a number.

45- Write a program to find first and last digit of a number .

46- Write a program to find sum of first and last digit of a number

47- Write a program to swap first and last digit of a number .

48- Write a program to calculate sum of digits of a number .

49- Write a program to print all ASCII Character with their values.

50- Write a program to find power of a number using for loop.

**Star Patterns Exercises**

**51- Square Star Pattern**

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**52-Right Triangle Star Pattern**

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**53-Inverted Right Triangle Star Pattern**

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**Function Exercises**

**54-** Write a program to find cube of any number using function

55- Write a program to check whether a number is oven or odd using a function .

56- Write a program to find Average of all natural numbers between 1 to n .

**String Exercises**

**57-** Write a program to find length of a string .

58- Write a program to concatenate two string .

59- Write a program to compare two string .

60- Write a program to convert lowercase string to uppercase .

61- Write a program to convert uppercase string to lowercase .

62- Write a program to toggle case of each character of a string .

63- Write a program to find total number of alphabet , special character in a string .

64- Write a program to count total number of vowels and consonants in a string .

65- Write a program to count total number of words in a string.

66- Write a program to find reverse of a string

67- Write a program to check whether a string is palindrome or not

68- Write a program to reverse order of words in a given string

69- Write a program to find a character in a given string .

70- Write a program to remove first character from string .

71- Write a program to remove character from string .

72-Write a program to remove white space characters from string .

73- Write a program to remove all repeated characters from string

**Array Exercises**

**74-** Write a program to print all negative elements in an array .

75- Write a program to find sum of all array elements .

76- Write a program to count total number of even and odd elements in an array .

77- Write a program to count number of negative elements in an array .

78- Write a program to copy all elements from an array to another array.

79- Write a program to insert an element to array.

80- Write a program to find reverse of an array.