KERALA PUBLIC SCHOOLS

HOME ASSIGNMENT (1st to 6th June 2020)

CLASS	SUBJECT	CHAPTER	MODULE / ASSIGNMENT	LINKS

X	COMPUTER SCIENCE	Ch : Arrays	***The assignments given below have to be done in the Computer Science notebook.**
			1. Answers the following:
			(a) What is an array? Write a statement to declare an integer array of 10 elements.
			(b) What are different types of arrays? Give example of each array type.
			(c) What do you understand by two dimensional arrays? Explain with example.
			(d) What is the difference between one dimensional and two dimensional arrays?
			(e) If a[ ]= { 2, 4, 6, 8};
			(i) What is a.length?
			(ii) What is a[2]?
			(f) Give the output
			int X [ ] = { 1, 2, 3, 4, 5);
			for (int i = 0; i < 5; i++)
			{
			System.out.println(X[i++]);
			}
			(g) What is difference between linear search and binary search?
			(h) Write a java statements for the following purpose:
			(i) Declare and create an integer array of size 30.
			(ii) Initialise an array of 5 names of Kerala Public School,
			i.e. Ashish, Supriya, Smita, Dilip, Rajni
			(i) (i) what is the difference between two java statements given below:
			int a [ ];
			a = new int [30];
			(iii) Write a single statement to perform the same job as done by above two statements.
			(2) Java Programming :
			(a) Write a program to enter 10 elements in an single dimensional array. Display the greatest and smallest number of the array elements.
			Sample Input:
			43, 45, 92, 87, 64, 76, 81, 65, 12, 31
			Greatest element: 92
			Smallest element: 12
			(b) Write a program to enter 20 different numbers in an single dimensional array and display the sum of all such numbers which are divisible by either 2 or 3.
			(c) Write a program to enter n element in an array and display the frequency of positive numbers, negative numbers and zero present in the array.
			(d) Write a program to input 10 numbers in the array and display all prime numbers present in the array.
			(e) Write a program to enter n element in an array and arrange the array in ascending order, using bubble-sort technique.	

Rlakshmi

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