

Java Assignments

Chapter: Java Language Constructs

Level : Beginner

1. Create a Java application that has the following functionalities
 - a. Checking for a prime number
 - b. Generating Prime Numbers from lowerlimit to upperlimit that are passed as parameters.

Create a class PrimeGen that has 2 methods isPrime(..) and genPrime(..) for the above functionalities.

2. Write a Java program that prints day of the week when user inputs a number.
 - a. Ex: 0 is for Sunday
 - b. Optimize the code without using switch case.
3. A company insures it's employees if any of the following criteria is met by them.
 - a. Employee is UnMarried
 - b. Employee is Married Male above 30 years of age.
 - c. Employee is Married Female above 25 years of age.

(Values are entered from command line: Ex : 'U' or M female 26 so on.

Write a java program to display message if the employee is insured or not
4. Write a java method to implement linearSearch on an array of numbers.
public static int liSearch(int numbers[],int key) that returns the position of the key element or -1. Test with a main method.
5. Write a Java application that has methods to encrypt and decrypt strings that are passed as parameters.

