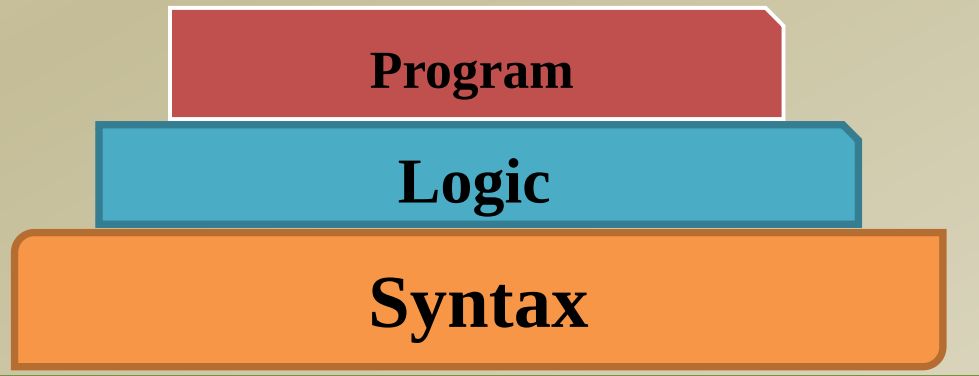
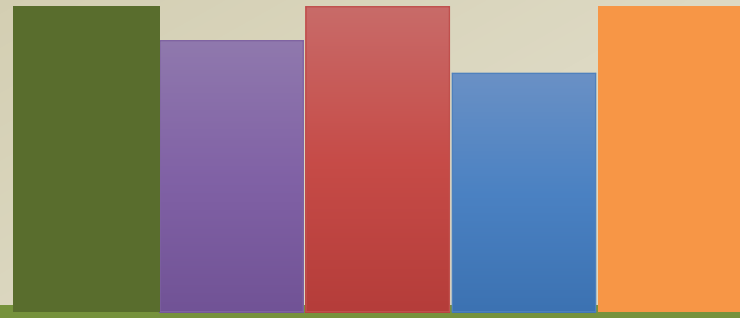
Code at Random (OPC) PVT. LTD.

Module 5: Program to find the key based on certain criteria





Problem Statement-

You are provided with 3 numbers within the range >=1000 and <=9999 i.e.,

1000 <= input1 <=9999

1000 <= input2 <=9999

1000 <= input3 <=9999

You are expected to find the key using the below formula –

Key = (Thousands digit of input1 x Hundred Digit of input2) – (Largest Digit of input3)

Example:-

If input1=3521 and input 2=2452 and input3= 1352

Then key = (3x4)-5 =7.

Solutions To Above Question

```
import java.util.*;
class key
{
    public static void main(String[] Args)
    {
        int input1, input2,input3,key;
       Scanner sc= new Scanner(System.in);
        System.out.println("Enter a number");
        input1=sc.nextInt();
        input2 = sc.nextInt();
        input3 = sc.nextInt();
        input1= input1/1000;
        input2= input2/100;
        input2%=10;
        int max=0;
        while(input3>0) {
            int d= input3%10;
            if(d>max){
                max=d;
            }
            input3/=10;
}
        key = (input1*input2)-max;
        System.out.println(key);
}
}
```