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//Secret Code  
//Name: Yashas Ravi
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```
import java.util.Scanner;  
public class SecretCode {  
  
    public static void main(String [] args) {  
        // TODO Auto-generated method stub  
  
        Scanner sc = new Scanner (System.in);  
  
        String a;  
        int sum = 0;  
        int odd = 0;  
        int count = 0;;  
        boolean rep = true;  
  
        System.out.print("Enter a String");  
        a = sc.nextLine();  
  
        while (rep == true) {  
            if (isValidLength (a) == true) {  
  
                sum = charToAscii(a);  
  
                count = getNumDigits (sum);  
  
                if (count%2 == 1) {  
                    sum = sum * 10;  
                }  
  
                count = 0;  
  
                if (sum <= 4000) {  
                    sum = sum * 4;  
                }  
  
                odd = sum;  
  
                while (odd != 0) {  
                    odd = odd/10;  
                    count ++;  
                }  
            }  
        }  
    }  
}
```

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        if (count%2 == 1) {
            sum = sum / 10;
        }

        System.out.println(getSecretCode(sum));
        rep = false;

    }

    else {
        rep = false;
    }

    if (rep == false) {
        System.out.println("Enter again!");
        a = sc.nextLine();
        rep = true;
    }

}

}

private static boolean isValidLength (String s) {
    if (s.length () >= 2 && s.length () <= 12) {
        return true;
    }

    else {
        return false;
    }
}

private static int charToAscii (String s) {
    int SUM = 0;
    for (int k = 0; k < s.length(); k++) {
        SUM += s.charAt(k);
    }

    return SUM;
}

```

```
}

private static int getNumDigits (int n) {
    int Count = 0;

    while (n != 0) {
        n = n/10;
        Count ++;
    }

    return Count;
}
```

```
private static String getSecretCode (int num) {
    int p = num/100;
    int d = num%100;

    if (p <= 65) {
        p = p + 61;
    }

    if (d <= 65) {
        d = d + 61;
    }

    return Character.toString ((char) p) + Character.toString ((char) d);
}
```

```
}
```