

Assignment 1.2

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EARMONY CODE

```
import java.io.*;
import java.util.*;

class eharmony
{
    public static void main(String[] args)throws IOException
    {
        BufferedReader br1 =new BufferedReader(new
        FileReader("list.txt"));
        BufferedReader br2 = new BufferedReader(new
        FileReader("eHarmony.txt"));

        String password[]=new String[99999];
        String md5Hash[]=new String[99999];
        int i=0;
        PrintWriter writer = new PrintWriter("eharmonyCracked.txt", "UTF-
6");

        for(i=0;i<1100;i++)
        {
            String s=br1.readLine();
            String tokens[]=s.split(" ");
            System.out.println(tokens[0]);
            System.out.println(tokens[1]);
            password[i]=tokens[0];
            md5Hash[i]=tokens[1];

        }

        String l=br2.readLine();
        while(l!=null)
        {
            for(int j= 0;j<md5Hash.length;j++)
            {
                if(l.equals(md5Hash[j]))
                {
                    writer.println(md5Hash[j]+ " "+ password[j]);
                }
            }
            l=br2.readLine();
        }
        br1.close();
        br2.close();
        writer.close();
    }
}
```

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FORMSPRING CODE

```
import sys
import hashlib

br1 = open("formspring_cleartext.txt", "r")
br2 = open("formspring_hashtext.txt", "w")
br3 = open("formspring.txt", "r")
br4 = open("formspringCracked.txt", "w")

for line1 in br1:
    line1 = line1.strip()
    for i in xrange(99):
        line_to_be_hashed= str(i).zfill(2) +line1
        # print line_to_be_hashed
        br2.write(hashlib.sha256(line_to_be_hashed).hexdigest())
        br2.write(" ")
        br2.write(line1)
        br2.write("\n")
br2.close()
br2=open("formspring_hashtext.txt", "r")
for line2 in br2:
    line2=line2.strip()
    line_split = line2.split(" ")
    c1 = line_split[0]
    for line3 in br3:
        line3=line3.strip()
        # print line3[0]
        if c1 == line3:
            br4.write(line2)
br3= open("formspring.txt", "r")
```

ASHLEY MADISON CODE

```
awk '{print $1,$2,$3,$4,$5,$6,$7,$8,$9,$10,$11,$12,$13, $4;}' AshleyMadison.txt >
AshleyMadisonCracked.txt
```