

### Part3

```
import java.io.Console;
```

```
import javax.xml.bind.DataConverter;
```

```
import java.security.*;
```

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

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

```
public class Part3{
```

```
    public static void main(String []args){
```

```
        try {
```

```
            Console c = System.console();
```

```
            SecureRandom salt = new SecureRandom();
```

```
            byte[] salt_bytes = new byte[16];
```

```
            salt.nextBytes(salt_bytes);
```

```
            MessageDigest md = MessageDigest.getInstance("MD5");
```

```
            md.update(salt_bytes);
```

```
            String sl = DataConverter.printHexBinary(salt_bytes);
```

```
            c.printf(sl);
```

```
        }
```

```
    } catch(NoSuchAlgorithmException ex){
```

```
        // if any error occurs
        ex.printStackTrace();
    }
    catch(Exception ex) {
        // if any error occurs
        ex.printStackTrace();
    }
}
```