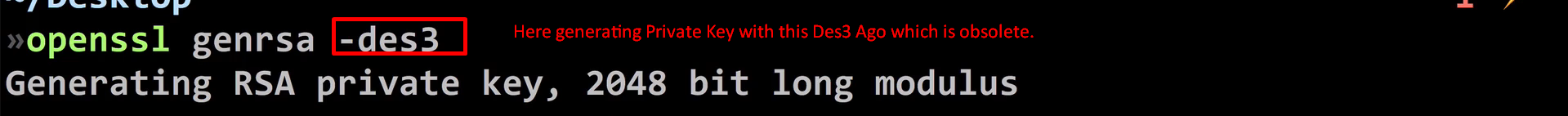
1. Let’s generate RSA Key using openSSL.
2. A screen shot of a computer

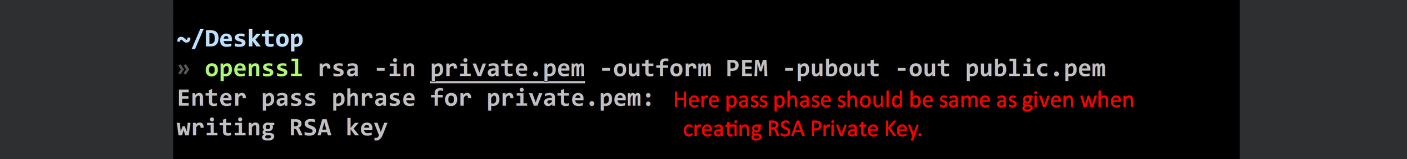
   Description automatically generated
3. A screen shot of a computer

   Description automatically generated
4. A computer screen with white text and red letters

   Description automatically generated
5. 
6. **Let’s see how to store being generated private key in a file itself rather than printing on console.**
7. **PEM File Extension**: It is used to store.
   1. **Private Key as well as**
   2. **Certificate**
8. A screen shot of a computer

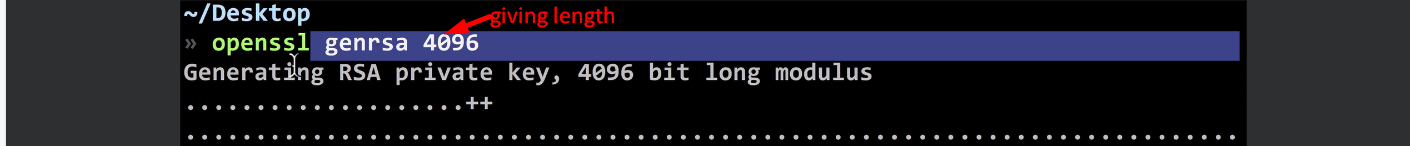
   Description automatically generated
9. A red line in a black background

   Description automatically generated
10. As we know Private Key and Public Key are created as a pair. So where is public key?  
    Actually, public key is encoded inside the private key which we can derive using following command.  
    A screen shot of a computer

    Description automatically generated  
      
    

A screenshot of a computer

Description automatically generated

1. So, we have created one private and one public key.   
   This public key, we can share with anyone and that one can use this public key to encrypt data and using the private key we can decrypt the data.
2. As by default, the length was 2048, let’s see how to change the length.
3. 

**NOTE**: This 4096-bit, we have to specify at the end of the command otherwise error.